

# PUBLIC WORKS, IRELAND.

---

## FIFTY-FOURTH ANNUAL REPORT

OF THE

## COMMISSIONERS OF PUBLIC WORKS

IN

## IRELAND:

WITH

## APPENDICES,

FOR THE YEAR 1885-86.

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*Presented to both Houses of Parliament by Command of Her Majesty.*

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1886.

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# PUBLIC WORKS, IRELAND.

## FIFTY-FOURTH ANNUAL REPORT

40 1886

### COMMISSIONERS OF PUBLIC WORKS IN IRELAND, FOR THE YEAR 1885-86.

TO THE LORDS COMMISSIONERS OF HER MAJESTY'S TREASURY.

MAY IT PLEASE YOUR LORDSHIPS,

WE have the honour to submit our Fifty-fourth Annual Report on the several **LOANS**, **VOTED**, and **MISCELLANEOUS** services intrusted to our management, viz. :—

#### I. **LOANS:**

For Public Works under Acts 1 & 2 Wm. IV., c. 33, 40 & 41 Vic., c. 27, &c., embracing among others the following separate classes of loans :—

Labourers' Dwellings in Towns Act, 1866, and Housing of the Working Classes Act, 1885.

Glebe Loans.

Public Health.

River Drainage Works Act, 1863.

River Drainage Maintenance.

Lunatic Asylums Buildings.

Reformatories.

Labourers' (Ireland) Act, 1883.

National School Teachers' Residences.

Dispensary Houses.

Non-Vested National Schools and Training Colleges.

Industrial Schools (Ireland) Act, 1885.

Loans for Improvement of Lands, viz. :—

Drainage of Lands; Erection of Farm Houses and Buildings, Erection of Scotch Mills; Erection of Dwellings for Agricultural Labourers; Planting for Shelter.

Land Law (Ireland) Act, 1881, Loans to Tenants.

For most of the purposes enumerated in the preceding service.

Landlord and Tenant Act, 1870.

Loans under Relief of Distress Acts, 1880.

#### II. **VOTED SERVICES:**

Public Buildings, Ireland, viz. :—

Naval and Military; State and Official Residences, Civil Departments; Legal Departments; Metropolitan Police; Royal Irish Constabulary; Dandrum Criminal Lunatic Asylum; Science and Art Department; Public Education; Royal University and Queen's Colleges; Revenue Departments.

Royal Parks and Gardens :—

Phoenix Park; St. Stephen's-green; The Carragh of Kildare.

Royal Harbours :—

Kings-town; Howth; Donaghadee; Dunmore; Ardglass.

Inland Navigations :—

Tyrone; Sligo; Ulster Canal.

Royal University Ireland Buildings.

Science and Art Buildings. New Museum and Library.

Ancient Monuments Protection Act, 45 & 46 Vic., c. 73.

#### III. **MISCELLANEOUS OR NON-VOTED SERVICES:**

Arterial Drainage Works.

Arterial Drainage, Maintenance and

Increased Rents, and Railway

Clauses Consolidation Act.

River Barrow District.

Fishery Piers and Harbours Acts,

1846 and 1883.

Fishery Piers and Harbours Main-

tenance.

Arklow and Kinsale Harbours.

Clare Slob Reclamation.

Shannon Navigation.

Boyne Navigation.

Irish Reproductive Loan Fund.

Sea and Coast Fisheries (Ireland) Loan Fund.

National Monuments and Ecclesiastical Ruins, 33 & 34 Vic., c. 46.

Post Road Repairs.

County Surveyors' Assistants.

Bridges, between Counties.

Limited Owners' Residences.

Arbitrations—For Railways and other Public Works.

Tramways and Light Railways (Ireland) Act, 1883.

Loans—Receiver's Account.

The following is an ABSTRACT of LOANS made by the COMMISSIONERS of PUBLIC WORKS, showing the Total Advances and Repayments

SERVICES, &c.	No. of open Loans Accounts as at 31st March, 1886.	Advanced on Loans within the Year.	Total Advances to 31st March, 1886.		REPAYMENTS	
			£ s. d.		Principal.	
I. PUBLIC WORKS LOAN FUND, IRELAND, 1 & 2 Wm. IV., c. 38; 40 & 41 Vic., c. 27:—						
1. Grand Jurors of Counties, . . . Roads, Courthouses, &c.,	35	7,119 15 2	744,589	2 8	7,580	10 11
2. Local Boards, . . . Various Works, . . .	25	21,534 0 0	144,874	0 0	1,210	18 7
3. Banks and Bridges, . . . For Roads, Bridges, &c.,	7	100 0 0	200,077	0 4	6,371	8 1
4. Island Navigation, . . .	5	17,947 6 2	87,697	6 2	767	12 4
5. Public Buildings, . . . Erection and Completion, . . .	4	1,400 0 0	38,590	0 0	430	11 1
6. Railways, . . . In aid of Construction, . . .	26	25,582 13 4	588,631	19 0	8,391	15 11
7. Quarries, Mines, and Miscellaneous, . . .	1	—	15,288	0 0	—	—
8. Harbours, Docks, &c., . . . In aid of Construction, . . .	24	24,500 0 0	435,558	6 1	3,650	0 2
9. Fishery Piers and Harbours, Act 3 Vic., c. 3, . . .	7	363 10 9	53,544	17 3	626	0 3
10. Reclamation of Waste Lands, 1 & 2 Wm. IV., c. 33, . . .	1	18,681 0 0	114,631	0 0	—	—
11. Labourers' Dwellings in Towns, Act 29 & 30 Vic., c. 44, . . .	86	19,138 10 0	186,746	5 2	4,462	5 7
12. Housing of the Working Classes, 48 & 49 Vic., c. 72, . . .	3	12,400 0 0	12,400	0 0	—	—
13. Artisans' Dwellings, . . . Act 38 & 39 Vic., c. 36, . . .	6	—	81,000	0 0	1,745	17 10
14. Globe Loans, . . . Act 33 & 34 Vic., c. 112, . . .	806	19,715 0 0	374,662	0 0	9,307	10 9
15. Public Health, 37 & 38 Vic., c. 35, & 41 & 42 Vic., c. 52, . . .	377	153,960 12 10	1,242,144	13 11	41,294	0 7
16. River Drainage and Navigation, Act 5 & 6 Vic., c. 83, . . .	167	—	2,062,052	7 3	2,906	15 8
17. River Drainage Maintenance, . . . Act 29 & 30 Vic., c. 44, . . .	281	1,378 5 5	40,691	16 4	2,762	7 10
18. River Drainage, . . . Act 26 & 27 Vic., c. 85, . . .	839	50,110 0 0	636,506	18 10	10,267	6 4
19. PUBLIC WORKS LOANS, . . . 57 Geo. III., c. 34, . . .	1	—	491,444	19 8	—	—
20. REPAIRS OF ROADS AND BRIDGES, 6 & 7 Wm. IV., c. 116, . . .	3	294 7 0	133,933	3 1	816	8 8
21. LAND IMPROVEMENT PRELIMINARIES, 10 Vic., c. 32, & 15, . . .	721	1,000 0 0	59,550	0 0	897	14 10
22. REPAIRS OF FISHING PIERS, 16 & 17 Vic., c. 136, . . .	17	117 9 0	14,849	18 2	1,570	9 1
23. MAINTENANCE OF NAVIGATION, 19 & 20 Vic., c. 62, . . .	—	—	2,430	0 0	—	—
24. GASOLS AND BRIDGEWATER, . . . 50 Geo. III., c. 103, . . .	5	—	592,768	6 9	430	0 0
25. LANCASHIRE ASYLUM BUILDINGS, 1 & 2 Geo. IV., c. 33, &c., . . .	152	21,000 0 0	1,363,426	7 3	23,749	8 4
26. BRISTOL SCHOOLS, . . . 38 Geo. III., c. 107, . . .	2	—	10,293	5 7	12	4 9
27. BRISTOL OF DUBLIN, . . . 43 Vic., c. 4, . . .	3	—	15,756	0 0	490	0 0
28. SUND SUND, . . . 43 Vic., c. 1, . . .	65	—	647,562	11 10	40,156	19 3
29. ENGLISH, . . . 43 & 44 Vic., c. 47, . . .	28	—	11,075	3 19	916	18 5
30. LANCASHIRE ACT, . . . 46 & 47 Vic., c. 60, &c., . . .	380	106,114 13 10	106,114	13 10	71	5 7
31. IMPROVEMENT OF LANDS, . . . Act 10 Vic., c. 32, &c., . . .	—	—	—	—	—	—
For Drainage, Farm Buildings, Labourers' Dwellings, . . .	5,001	76,929 15 4	3,814,583	16 9	48,791	11 0
Planting for Shelter, Scotch Mills, &c., . . .	—	—	—	—	—	—
32. NATIONAL SCHOOL TEACHERS' . . . 35 & 36 Vic., c. 82, . . .	201	8,524 0 0	55,403	0 0	687	18 10
33. DISPENSARY HOUSING, . . . 42 & 43 Vic., c. 25, . . .	49	7,782 0 0	34,710	0 0	896	8 5
34. NON-VOTED SCHOOLS AND . . . 47 & 48 Vic., c. 22, . . .	8	2,700 0 0	2,700	0 0	—	—
TEACHING COLLEGES, . . .	—	—	—	—	—	—
35. LAND LAW, . . . 44 & 45 Vic., c. 49, &c., 31, . . .	6,797	115,543 0 0	686,924	0 0	10,810	3 1
Advances to Tenants for Improvement of their Holdings, . . .	—	—	—	—	—	—
II. LAND ACT FUND, . . . Act 33 & 34 Vic., c. 46:—						
Advances to Tenants to purchase their Holdings, . . .	539	—	518,416	13 0	23,948	19 4
Totals Current Services, . . .	17,009	718,572 18 10	16,165,402	12 4	275,131	17 0
Charged . . .	—	—	18,075,428	0 1	—	—
Total Consolidated Fund Loans, . . .	17,009	718,572 18 10	34,240,830	13 5	275,131	17 0
III. IRISH CHURCH FUND, Act 43 Vic., c. 4, and 43 & 44 Vic., c. 14:—						
1. Improvement of Lands, . . .	1,890	2,748 19 8	930,994	17 5	18,111	8 0
2. Public Health, . . .	75	—	38,535	10 0	1,101	9 10
3. Barren Works, . . .	137	165 10 0	21,188	10 10	16,851	19 7
4. Relief of Distress, 43 & 44 Vic., c. 14, . . .	7	—	11,853	13 4	823	13 4
5. Relief of Distress Grants, . . .	—	—	19,069	3 0	—	—
6. Arterial Drainage, . . .	21	—	6,136	1 0	48	8 5
Total Irish Church Fund Loans, . . .	2,120	2,914 9 8	1,267,507	15 7	56,936	10 2
Grand Total, . . .	19,129	721,487 8 6	35,508,188	8 0	312,068	7 2

Advances and Repayments to the 31st March, 1886, the Amounts remitted, and Balances outstanding; also the within the Year.

within the Year.	Total of REPAYMENTS to R.M. Embroquer to 31st March, 1886.		Amounts Remitted.	BALANCES outstanding, 31st March, 1886.	
	Principal.	Interest.		Principal.	Interest.
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
2,728 1 3	478,520 7 2	106,322 13 0	—	66,166 15 1	—
4,765 1 1	11,839 6 6	19,977 0 11	—	133,334 13 6	4 14 9
4,941 8 9	73,211 14 8	61,267 17 2	6,221 11 11	120,643 13 9	28 10 2
1,327 4 0	12,893 3 1	70,392 2 1	—	68,004 3 1	30,024 12 10
532 7 2	35,081 14 11	7,394 4 6	1,953 17 11	13,464 7 2	—
21,230 11 10	227,035 12 1	210,146 8 4	—	751,096 6 11	75,822 10 8
30 15 0	14,639 19 3	5,193 0 4	—	573 0 9	—
9,129 14 1	76,198 6 2	173,769 14 5	74,826 3 3	304,323 16 8	5,975 13 6
175 5 10	59,735 2 3	5,491 11 3	—	2,759 16 0	4 1 8
13,000 0 0	—	13,000 0 0	—	114,451 0 0	5,874 1 6
5,236 1 5	17,995 17 9	31,400 15 8	741 17 6	163,323 9 11	383 18 4
—	—	—	—	13,400 0 0	—
2,321 12 6	7,581 18 9	14,260 17 5	—	73,418 1 3	—
10,573 5 5	60,362 7 0	84,328 9 2	—	214,250 13 0	103 8 8
36,627 18 6	156,645 15 3	171,764 13 3	—	1,082,318 18 8	5,802 16 8
308 0 7	867,194 3 11	737,630 6 3	1,207,582 5 7	7,275 17 9	182 13 9
775 5 4	23,368 13 4	8,965 13 3	155 0 0	17,227 18 0	311 4 5
13,555 14 2	106,648 16 1	101,682 7 2	—	527,832 9 9	5,678 6 11
180 0 0	307,535 6 3	197,582 6 10	177,911 15 6	6,000 0 0	—
39 6 4	132,639 18 3	150 14 7	—	335 4 10	—
—	57,622 19 4	—	1,013 3 1	863 17 7	—
193 2 1	10,393 16 2	1,605 0 11	—	3,905 3 0	14 16 4
—	2,439 0 0	0 0 2	—	—	—
—	890,735 1 0	0 18 3	1,928 5 9	45 0 0	—
4,790 7 10	1,124,224 4 1	15,947 2 8	12,183 0 0	216,719 2 2	—
12 9 3	2,369 12 11	25 6 5	350 15 4	581 17 4	—
48 8 1	14,206 0 0	655 2 7	—	800 0 0	—
—	585,038 4 9	0 0 9	—	61,464 7 1	—
359 3 10	3,208 14 11	703 15 11	—	8,466 8 11	37 0 11
570 3 9	71 5 7	370 3 9	—	106,043 8 3	—
43,240 2 8	2,294,061 4 9	1,152,558 5 3	—	1,520,834 12 0	13,761 9 1
1,604 6 0	2,425 6 1	8,604 5 3	—	50,977 13 11	22 15 11
915 12 10	1,078 13 11	2,605 6 9	—	33,451 6 1	24 17 2
7 18 7	—	7 18 7	—	2,700 0 0	—
12,038 14 8	14,965 3 9	18,572 4 4	—	471,948 16 3	368 14 2
14,601 4 1	110,954 15 5	162,735 3 8	—	396,401 17 7	2,287 8 1
205,513 6 11	5,005,614 9 4	2,432,430 5 9	1,465,153 13 9	6,576,634 9 3	153,446 15 5
—	12,607,515 11 11	486,930 5 10	6,468,212 8 2	—	—
206,313 6 11	19,610,830 1 3	3,919,360 9 7	7,853,506 1 11	6,676,634 9 3	158,446 15 5
7,306 4 8	47,283 6 5	23,554 8 1	189 12 9	865,612 18 3	2,534 11 9
328 5 8	5,930 3 10	1,129 9 6	—	34,376 6 2	60 6 6
2,419 11 3	52,281 12 8	7,571 5 5	—	218,306 11 2	—
77 5 1	4,194 0 0	275 11 9	—	7,189 13 4	1 15 0
—	—	—	10,060 3 0	—	—
20 14 11	99 13 4	43 1 4	—	6,626 7 8	5 9 8
10,152 1 4	*127,817 3 3	*32,573 16 1	19,168 15 9	1,190,321 14 7	2,603 2 1
214,465 8 3	19,738,847 4 6	5,931,934 5 8	7,973,534 17 8	7,796,956 5 10	161,048 17 6

\* Repaid to Irish Land Commissioners.

† Resulted to the year, per Act 43 & 44 Vic. c. 68.

† Principal charge excluded by redemption. The security instalments, which included interest at 1 per cent., were, on equitable grounds, returned as if they included interest at 5 per cent.

## I.—PUBLIC WORKS LOANS.

During the year ended 31st March, 1886, we have, with the consent of the Lords Commissioners of Her Majesty's Treasury, made 2,166 loans, amounting to £808,516, as against 2,944 for £700,820 in 1884-5, showing a decrease, in number 778, principally owing to a falling off in the applications, under the Land Act, 1881, for loans to tenants, with an increase in the money applied for of £107,696.

The following statement shows the twenty different purposes to which the loans for the past year, amounting to £808,516, have been allocated.

No of Loans	LOANS SANCTIONED 1885-86	Amount. £
7	Grand Juries of Counties, . . . . .	4,586
2	Local Boards, . . . . .	30,500
3	Railways, . . . . .	76,600
1	Reclamation of Waste Lands, . . . . .	16,000
4	Labourers' Dwellings in Towns, . . . . .	4,148
16	Houses of the Working Classes, . . . . .	46,590
57	Globe Loans, . . . . .	18,971
51	Public Health Act, . . . . .	165,180
8	River Drainage Works, . . . . .	77,328
4	Do. Maintenance, . . . . .	2,800
2	Repairs of Fishery Piers, . . . . .	30
1	Maintenance of Navigation Works, . . . . .	80
9	Lunatic Asylum Buildings, . . . . .	23,209
256	Labourers (Ireland) Act, 1883 and 1885, . . . . .	136,188
227	Land Improvement, . . . . .	65,690
47	National School Teachers' Residences, . . . . .	10,437
6	Dispensary Houses, . . . . .	4,550
15	Non-Vested Schools and Training Colleges, . . . . .	6,040
46	Land Law Act, 1881—Section 19, for Labourers' Cottages, . . . . .	2,975
1,434	Do. do. do. 31, " Loans to Tenants, . . . . .	107,440
2,166		£808,516

The above amount includes advances for the following special objects.

An advance of £30,000 to the Dublin (South) City Market Company, to enable them to acquire the house property in George's-street up to Aungier-street, and to take down and rebuild old houses, by which the widening of George's-street will be continued up to Aungier-street. This when completed will be a great improvement to the Market property, and to the part of the City in which it is situated.

An advance of £30,000 to the Clonakilty Railway Company on the security of their Debenture Capital, and in aid of a gross estimated cost amounting to £60,000. This branch line—now nearly completed—is nine miles in length, and connects the prosperous district of Clonakilty with the West Cork Railway system at Gowran, four miles west of Bandon.

An advance of £54,400, to the West Clare Railway Company, which has obtained a perpetual guarantee from the county Clare of a 4 per cent. dividend. This line, which is 27 miles in length, connects the town of Ennis and the Waterford and Limerick Railway with Miltown-Malbay, and passes through a district which stands in great need of railway accommodation.

An advance of £100,000 to the Dublin Corporation; £72,000 to be applied to stone paving, and £28,000 to wood paving; the former being repayable in 20, and the latter in 12 years.

We now proceed to offer some remarks on the various classes of loan sanctions, which are more or less in continuation of former reports, pointing out the progress made in the past year, together with any alterations, which have received the approval of your Lordships, in the terms and conditions under which advances are now made.

The first of these is in regard to the Labourers' Dwellings in Towns Acts.

These advances have hitherto been made in pursuance of the provisions of the Act 29 and 30 Vic., cap. 44, which enables us to advance half the estimated cost of the buildings and of the value of the site in ordinary cases, or the whole amount if sufficient collateral security is given, to be repaid in any term of years not exceeding 40, with interest at 4 per cent.

The Housing of the Working Classes Act, 1885, amends and extends the provisions of this Act, and authorizes that, until 31st December, 1886, the advances shall bear such rate of interest, not less than £3 2s. 6d. per cent., as Your Lordships may from time to time be pleased to authorize as being sufficient to enable such loans to be made without loss to the Exchequer.



In pursuance of this power the following rates of interest have been fixed by Your Lordships, and are now in operation, viz. :—

When the period of repayment does not exceed 20 years,			Rate of Interest.		
			£	s.	d.
"	"	30	3	2	6 per cent.
"	"	40	3	3	0 "
"	"	50	3	7	6 "
"	"	60	3	10	0 "

The term of years is not to exceed forty, except the advance is made to local authorities and is well secured by rates. The sanctions for the year under these Acts amount to £50,755, against £38,673 in the previous year. But, from the inquiries which are now being made by the public, there is every probability that much heavier demands will be preferred during the period these low rates of interest remain in operation.

The Glebe Loan Act which first passed in 1870, has had its operations continued by various renewal Acts, the last of which received the Royal Assent on the 29th March, 1886, extending the provisions of the Act to 31st December, 1888. Up to the 31st March last, we had advanced on account of such loans, £374,662, to 864 borrowers, of these 244, for £116,549, were for glebes in connexion with the Irish Church; 393, for £190,099, to the Roman Catholic Church; 184, for £59,089, to the Presbyterian Church; and 43 for £14,389 to the Wesleyan and other denominations. During the year 57 loans, for £18,791, have been granted, against 45 loans, for £17,418, in the previous year.

Sanitary works on a considerable scale under the provisions of the Public Health Act continue to be carried out by various Sanitary Boards by means of money borrowed from the Public Works Loan Fund, Ireland. The total advances made by us for this purpose amount to £1,242,165, including £153,960 advanced within the year 1885-86. During the past year 51 loans, for £165,480, were granted, as compared with 45 loans, for £144,252, in 1884-85. This sum is in course of being applied to the following objects :—

Loans	£
27 for Water Works, . . . . .	33,430
13 for Sewerage, . . . . .	16,294
2 for Burial Grounds, . . . . .	559
1 for Sewerage, . . . . .	409
1 for Town Hall, . . . . .	800
1 for Market Place, &c., . . . . .	2,309
3 for Paving, . . . . .	107,696
1 for Baths and Wash-houses, . . . . .	5,560
51	£165,480

By minute dated 29th March, 1885, Your Lordships have been pleased to alter and reduce the rates of interest formerly authorised for loans for sanitary purposes, as follows :—

Period of Repayment,	Rate of Interest
Not exceeding 35 years, . . . . .	5½ per cent.
" 40 " . . . . .	5½ "
" 50 " . . . . .	4 "

With the clear understanding that if the value of money should rise it will be necessary to increase the rates of interest on future loans accordingly.

For the purpose of Arterial Drainage 8 loans have been made during the year for £77,226, which includes a loan of £50,000 for the completion of the Lough Erne drainage works, and four other supplemental loans amounting to £4,098. Provision is also made for three new districts, the works of which have been recently commenced, viz. :—Upper Morning Star, £5,860; Rallyteigue and Kilmore, £11,620; and Cashen River, £5,648.

The cash advances for these and other works during the year amount to £55,110, making a total of £636,501 issued to Drainage Boards since the passing of the Act, 26 and 27 Vic., cap. 88, for carrying out such works by those bodies interested in them. This amount, added to the expenditure on similar works under the Act, 5 and 6 Vic., cap. 89, viz. :—£2,390,613 gives a total expenditure by way of loans and free grants for arterial drainage works of £2,927,114.

The total area drained by these works amounts to 343,305 acres. The area of districts

B

the works of which are in progress includes 56,274 acres; and the area of districts in which the Provisional Orders have been made, which have not yet been commenced, contains 7,907 acres.

The operations of the past year under the Land Improvement Acts show a large reduction on the transactions of previous years. The number of loans authorised being 227 for £69,690, as compared with 336 for £105,205 during 1884-85. This falling off may be accounted for in some measure by the facilities given to tenant farmers to borrow under the 31st section of the Land Law Act of 1881, but it is scarcely to be doubted that the result is also due to the disinclination of landlords, under altered circumstances, to incur fresh charges against their estates, excepting in cases where they are themselves in occupation of the lands. The total advances made for this purpose, including those from the Church Funds (£920,995), now amount to £4,735,581.

Under the 31st Section of the Land Law (Ireland) Act, 1881, we have also to report a decrease in the number and amount of applications for loans to tenant farmers. In the past year 1,434 such loans were made for £107,440; against 2,150 for £171,202, in 1884-85, and 3,498 for £284,905 in 1883-84. It is difficult to account for such a falling off at this early stage in these proceedings, when it is considered how few, comparatively, of the large number of tenants who are entitled to borrow, have up to the present taken any steps to do so.

A certain check has, no doubt, been put on the applications by its becoming known, that the inquiries as to title and the solvency of the applicants are such as to deter those, who cannot show themselves to be in the position to prove this satisfactorily; added to which there is the requirement, which experience has shown to be most necessary, of requesting the proposed borrower to produce his rent receipts for the latest gale days, which has also stood in the way of many applications. Since the Act came into operation 7,610 loans have been authorized amounting to £646,087, in respect of which £486,914 has been advanced, including £115,643 is the current year.

The total advances made by us during the 41 years, up to the 31st March, 1886, including grants in aid, and loans received from individuals on debentures for the improvement of lands in the three services referred to above, viz., Arterial Drainage Land Improvement by Landlords and Tenants amount to £8,255,745.

In our Report for 1883-84, we first called attention to the Labourers (Ireland) Act, 1883, which authorized us to make loans to sanitary authorities for the erection of dwellings for agricultural labourers, the advances to be secured by the rates of the district embraced in each improvement scheme. We then stated that these loans were to be repaid in any period not exceeding 35 years, with interest as regulated by Treasury Minute of the 16th August, 1879. By a subsequent Minute, dated 29th September, 1885, and in pursuance of powers vested in your Lordships by the Act 42 & 43 Vic., cap. 77, to fix interest at the rate on which loans can be advanced without loss to the Exchequer, the following amended terms were granted, viz. :—

Repayable within 35 years, interest at  $5\frac{1}{2}$  per cent.

" 40 " "  $3\frac{1}{2}$  "

" 50 " "  $3\frac{1}{2}$  "

but on the clear understanding that if the value of money rises it will be needful to revert to higher rates.

Before granting loans on these favourable terms your Lordships have further directed that due consideration must be given to the valuation and indebtedness of the area on which each loan is secured.

Prior to March 1885, 19 schemes, embracing loans to 167 Electoral Divisions for £84,738, were made, and in the year to 31st March, 1886, 19 schemes, containing 226 Electoral Divisions, the sum of £136,589 was granted, making a total authorisation of £221,327, to 393 Electoral Divisions. This sum will probably provide for the erection of not more than 2,200 houses, and falls far short of the number of applications received more than a year ago by the Local Government Board, viz., 4,186 houses at an estimated cost of £418,000.

The abstract at p. 8 shows that 15 loans for £5,049 have been granted under the Non-Vested National Schools and Training Colleges Act, 1884, but this limited operation of the Act can scarcely be taken as an index of the future requirements, when the facilities granted under it become more widely known and appreciated.

We beg, in conclusion of this summary of our loan proceedings, to call attention to an Act passed in the last Session of Parliament to facilitate the building, enlargement, and maintenance of Industrial Schools in Ireland, which enables us to make loans for this purpose to Grand Jurors of Counties or to the Town Councils of the Boroughs of

Dublin, Limerick, and Cork. This power can only be exercised after the consent of the Chief Secretary of the Lord Lieutenant has been obtained. The amounts borrowed can then be charged on any rates these bodies can present for, or on any property belonging to the Town Councils. No loan made by us is to exceed £5,000, the repayment of which may extend over 35 years with interest at 3½ per cent.

The Public Works Loan Act, 1885, grants to us for all the purposes which since the Act of 1877, are provided for out of the Public Works Loan Fund, Ireland, a Vote of Credit of £1,500,000 for 1885-86.

#### CHURCH FUND LOANS.

The advances out of the £1,500,000 authorized to be made by the Relief of Distress Acts of 1880, out of the Irish Church Funds amount to £1,267,308, including £2,854 made in the past year. The various loan accounts sanctioned out of this Fund are nearly all closed, and the future advances, if any, will not add very much to this total. The total Principal repayments in the year amounted to £36,936, and the Interest payments to £10,152. The balance of Principal outstanding on 31st March, 1886, and repayable to the Church Fund being £1,120,322.

#### ADVANCES AND REPAYMENTS.

The advances to Borrowers in the year out of moneys issued from the Consolidated Fund, were £718,573, and from the Church Fund £2,854, making a total of £721,427 as compared with £776,126 in 1884-85.

The total of all our loan advances since the year 1817, to 31st March, 1886, amounts to £35,508,138. (As a matter of general interest, we desire to draw attention to a statement in the Appendix A, No. 9, showing the progress of this fund from year to year since 1817 down to the present time.)

The classified abstract at pages 6 and 7, shows how this large amount has been disposed of by repayments, remissions and balances outstanding, viz. :—

	£
Total repayment, . . . . .	19,733,647
Total remission, . . . . .	7,879,533
Total outstanding Balance, . . . . .	7,796,954
	<u>£35,508,138</u>

This outstanding balance represents 19,120 open accounts, in the Books of the Office, which are generally in course of repayment by half-yearly instalments.

The amounts received in repayment in the past year were as follows :—

	£
Principal, . . . . .	312,068
Interest, . . . . .	215,463
	<u>£527,533</u>

of which £480,445 was paid over to the Exchequer, and £47,088 to the Irish Land Commissioners.

The repayments in the year, namely, £527,533, were thus less than those of the year preceding when they amounted to £562,874, the decrease arising from diminished receipts under the Seed Supply Act.

The arrears of Principal and Interest (due and not paid) which on the 31st March, 1884, were £204,504, and in March, 1885, to £287,534, now amounts to £379,865.

The following Abstract shows the services on which these arrears occur :—

#### COMPARATIVE RETURN OF LOAN ARREARS

	31 March, 1882.	31 March, 1885.	31 March, 1886.
	£	£	£
Public Works Loans generally, . . . . .	16,149	6,921	9,960
Glenc Slab Reclamation Loan, . . . . .	8,395	12,345	5,874
Public Health Act, . . . . .	6,226	4,728	7,254
Railways, . . . . .	85,900	125,764	161,647
Land Charges, . . . . .	56,164	54,173	77,957
Seed Supply, . . . . .	28,272	97,350	61,464
Bad and Doubtful Debts, . . . . .	83,398	56,853	55,693
	<u>294,504</u>	<u>287,534</u>	<u>379,865</u>

We regret to find that the amount in arrear has increased largely in the past year.

It therefore becomes necessary for us to offer some observations on each class.

The arrear on Public Works Loans, £9,966, covers a large number of distinct services, and arises on 37 cases out of a total of over 1,400 loans, £8,336 of which occurs on loans to Harbours, some of which being guaranteed by counties cannot be repaid until the next succeeding assize after the Presentment has been made. With these and similar exceptions the result on this head may be considered as generally satisfactory.

The Public Health Act Loans show a total arrear of £7,254. This arises to the extent of £5,671, on the loans made to the Wexford and Waterford Corporations and Ennis Union owing, respectively, £3,775, £665, and £1,231. In the case of Wexford Corporation, proceedings by way of mandamus were instituted by the Board, to avoid which, the Corporation have now agreed, with Your Lordships permission, to take such measures as will discharge the debt in about four years.

The arrears on Railway Loans which in 1885 were £125,764, viz:—£58,540 on account of principal, and £67,224 due in respect of interest, have increased to £85,827 and £75,823, respectively, or to a total of £161,647. The security for these advances except in two cases where a Baronial Guarantee has been given mainly depends on the revenue of the lines after the payment thereof of all working expenses. The balance of interest outstanding is therefore generally attributable, to the insufficiency of the revenue of the special lines on which arrears arise, to meet this charge. In all such cases the Companies are necessarily unable to raise money by the issue of Debenture Stock to repay the instalments of principal as they become due, and in some cases where the Surplus Revenue is sufficient to discharge the interest and even to pay a dividend on share capital a similar inability has arisen unless the Companies are prepared to issue such debentures at an unduly high rate of interest.

The arrears on loans advanced for the improvement of lands show a large increase on the former year, viz:—£77,967 against £54,173, in 1884-85. The following table shows how these outstanding charges have been growing during the past seven years.

31st March, 1880,	£13,249	31st March, 1884,	66,104
" 1881,	23,625	" 1885,	54,173
" 1882,	41,475	" 1886,	77,967
" 1883,	54,626		

The recovery of the instalments of the large advances in 1880 for the supply of seed in nearly every Union in Ireland amounting in the aggregate to £647,563 has to a great extent in consequence of the distress in the Western unions been temporarily suspended; the outstanding balance has been reduced by recoveries (amounting to £40,157), to £61,464, of this balance, £27,957, being the balance of seed rate collected, is now payable, and the repayment of the remaining sum of £33,507, under Your Lordships authority has been postponed until April, 1887.

#### OUTSTANDING BALANCES.

The outstanding balances which at the end of March, 1885, amounted to £7,386,114, have by the operations of the year just ended increased to £7,795,956, viz:—an increase of £408,842

The following statement shows the rates of interest chargeable on the several amounts making the aggregate balances in each year ended 31st March, 1884, 1885, and 1886 respectively:—

	31 March, 1884,	31 March, 1885,	31 March, 1886,
	£	£	£
Price of Interest,	314,541	269,529	145,656
3 per cent.,	6,000	6,000	6,000
3½ "	—	—	12,000
4 "	54,283	81,314	60,123
5 "	—	—	400
3½ "	3,288,572	3,596,840	3,383,662
4 "	262,150	221,867	264,337
4½ "	1,548,760	1,428,967	1,785,961
4½ "	191,649	289,971	350,567
5 "	187,915	219,283	218,508
Total Consolidated Fund—			
Loans,	5,795,928	6,233,611	6,676,684
Church Fund Loans—			
at 1 per cent.,	1,189,833	1,154,503	1,130,822
	<b>£6,985,761</b>	<b>£7,388,114</b>	<b>£7,795,956</b>

The average rate chargeable on the advances from the Consolidated Fund was £8 10s. 5d. on 31st March, 1884; £8 12s. 1d., on the 31st March, 1885, and £8 12s. 11d., on the 31st March, 1886.

## ESTIMATES FOR LOANS.

We have submitted in the ordinary way our estimate of the probable requirements for the year 1886-87 amounting to £1,278,500 on account of which £1,200,000 will it is considered be sufficient to discharge all possible demands.

## LABOURING CLASSES' LODGINGS AND DWELLINGS ACTS.

29 & 30 Vic., c. 44, and the Housing of the Working Classes Act, 1885,  
48 & 49 Vic., c. 72.

Up to the close of the year 1884-85 loans were made under the provisions of the original Act amounting to £281,334, for the erection of dwellings for 3,316 families.

The following is an abstract showing the number and amount of the loans made each year during the period above referred to.

Year.	No. of applications sanctioned.	Amount sanctioned.	No. of families to be accommodated.
1866-67, .	NIL }	£ 638	{ NIL
1867-68, .	1 }		{ 8
1868-69, .	NIL	—	NIL
1869-70, .	1	509	10
1870-71, .	1	4,145	135
1871-72, .	2	1,650	45
1872-73, .	3	7,175	168
1873-74, .	7	22,350	261
1874-75, .	1	910	13
1875-76, .	7	34,343	259
1876-77, .	6	11,100	132
1877-78, .	8	23,614	272
1878-79, .	10	7,100	81
1879-80, .	19	31,858	351
1880-81, .	17	28,870	303
1881-82, .	17	32,674	453
1882-83, .	16	21,187	270
1883-84, .	16	40,032	397
1884-85, .	12	23,368	328
Total, .	144	281,334	3,316

Your Lordships by Minute of 23rd January, 1886, granted more favourable terms than those previously sanctioned as to the rate of interest to be charged on loans made under the provisions of these Acts, which has had the effect of stimulating those desirous of providing improved dwellings for the labouring classes to carry out works with that object, and within the past year 29 applications have been received for loans amounting to £69,608, for building 718 dwellings of which 20, to the amount of £50,755, have been sanctioned, of which the following is an abstract.

Locality.	Number of Dwellings to be built.	Amount of loans sanctioned.
Dublin and Suburbs, . . . .	554	46,099
Cork, . . . . .	28	3,872
Armagh, . . . . .	20	300
Boyle, . . . . .	4	144
Dungannon, . . . . .	6	440
Castled, . . . . .	11	700
Total, . . . . .	623	50,755

To secure that the loans sanctioned shall be applied to the erection of such dwellings as come fairly within the scope of the Acts, and are in every respect suitable to the means and requirements of the labouring classes, it is made a condition with the

borrower that the rents to be charged are not to exceed certain specified sums, such rents being fixed on consideration of the locality and the class of labourers for whom accommodation is required. This arrangement has had the effect of limiting the cost of the erection of dwellings built under the loans referred to, and thus securing as far as practicable their being permanently available for occupation by the labouring classes.

#### GLASS LOANS.

[ 33 & 34 Vic., c. 112; 34 & 35 Vic., c. 100; 38 & 39 Vic., c. 30; 41 Vic., c. 6; 43 & 44 Vic., c. 2; 49 Vic., c. 6.

Sixty-six applications for loans have been received during the year, amounting to £20,569, and 57 loans have been granted for £18,971. The issues for the year have amounted to £19,715. Since the passing of the Act, in 1870, we have received 1,147 applications, of which the following is an abstract of those which have been granted, and on which issues were made to 31st March, 1886.

	No.	Amount
Church of Ireland, . . . . .	244	£116,549
Roman Catholics, . . . . .	393	190,099
Presbyterian, . . . . .	184	59,689
Wesleyan and other, . . . . .	43	14,589
	<hr/> 864	<hr/> £380,326

#### NATIONAL SCHOOL TEACHERS' RESIDENCES (IRELAND) ACTS

38 & 39 Vic., c. 82; 42 & 43 Vic., c. 74.

Sixty applications under these Acts have been received during the year for loans, amounting to £13,249 10s., and 47, amounting to £10,437, have been granted. Some are still under consideration. The amount issued on this service during the year has been £8,524, and from the passing of the Acts, £53,403.

#### DISPENSARY HOUSES (IRELAND) ACT.

42 & 43 Vic., c. 25.

The applications under this Act have been fifty-nine, amounting to £43,454.

Of these six were during the year ending 31st March, 1886, for £4,550. The total amount issued has been £34,710, of which £7,782 was during the present year.

#### LOANS FOR SCHOOLS AND TRAINING COLLEGES (IRELAND) ACT, 1884.

47 & 48 Vic., cap. 22.

Under the provisions of the above Act, we are empowered on the recommendation of the Commissioners of National Education, and with Your Lordships' approval on being satisfied as to the efficiency of the security, to make loans for the purpose of assisting any person in the erection, enlargement, structural improvement, or purchase of a house to be used as a non-vested National school or training college, or in the improvement of any existing non-vested National school or training college, or in the acquisition or improvement of a farm not exceeding twenty-five acres in extent connected with a non-vested National school or training college, to be used for the purpose of agricultural instruction, or for the purpose of discharging any debt due and incurred before the 19th day of May, 1884, in the erection, enlargement, structural improvement, or purchase of a house to be used as a training college; and loans made for any of the foregoing purposes are repayable by an annual rentcharge of five per cent. in thirty-five years.

The provisions of the Act will no doubt be availed of to a very large extent, particularly in poor and remote districts, where difficulty has been experienced in raising the necessary contributions to entitle Managers to obtain grants in aid of the construction of schools.

During the past year seventeen applications have been received for loans amounting to £3,683, making twenty-six applications in all under the Act, of which fifteen have been granted, amounting to £5,049.

## PUBLIC LIBRARIES ACTS.

40 &amp; 41 Vic., cc. 15 &amp; 54.

The loan of £2,000 to the Cork Corporation, sanctioned under these Acts, has been issued, and the Belfast Corporation have applied for an advance of £20,000 which is under consideration.

## LAND IMPROVEMENT.

We now proceed to report on the Land Improvement Service (ordinary) as distinguished from loans under the special provisions of the Relief of Distress Act, 1880, and those sanctioned under the 31st section of the Land Law Act, 1881.

The number of applications and amounts issued from the commencement in 1847 to the close of the financial year ending 31st March, 1886, are as follows:—

	No. of Applications.	Amount Issued.		No. of Applications.	Amount Issued.
1847, June to December (inclusive),	1,354	£75,790	1857, . . . . .	145	£29,180
1848, . . . . .	571	356,180	1858-9, . . . . .	179	64,973
1849, . . . . .	645	379,836	1863-70, . . . . .	166	83,775
1850, . . . . .	436	350,394	1870-71, . . . . .	153	77,969
1851, . . . . .	280	145,603	1871-72, . . . . .	160	83,535
1852, . . . . .	164	88,542	1872-73, . . . . .	223	78,290
1853, . . . . .	154	55,454	1873-74, . . . . .	224	98,072
1854, . . . . .	123	49,293	1874-75, . . . . .	245	102,005
1855, . . . . .	98	35,150	1875-76, . . . . .	265	98,790
1856, . . . . .	108	59,519	1876-77, . . . . .	218	121,403
1857, . . . . .	114	51,674	1877-78, . . . . .	278	121,345
1858, . . . . .	112	35,624	1878-79, . . . . .	319	125,370
1859, . . . . .	111	29,354	1879-80, . . . . .	463	147,935
1860, . . . . .	130	25,902	1880-81, . . . . .	638	161,575
1861, . . . . .	154	36,656	1881-82, . . . . .	401	137,788
1862, . . . . .	184	61,375	1882-83, . . . . .	451	100,838
1863, . . . . .	138	58,830	1883-84, . . . . .	503	109,451
1864, . . . . .	132	58,430	1884-85, . . . . .	395	114,295
1865, . . . . .	90	45,215	1885-86, . . . . .	298	*76,220
1866, . . . . .	93	50,355			

The loans under which operations have been commenced during the past year are classified thus:—

Class of Work.	No. of Loans.	Amount Sanctioned.	Average Amount of each Loan.
Drainage and other Land Works, . . . . .	31	24,165	298
Farm Buildings, . . . . .	106	35,010	311
Labourers' Cottages, . . . . .	60	9,795	163
Mixed Loans—including Buildings and Land Works, . . . . .	17	4,295	252
<b>Totals, . . . . .</b>	<b>364</b>	<b>71,265</b>	
<b>General Average per Loan, . . . . .</b>			<b>£270</b>

Of 298 applications for loans, made during the past financial year, 224 have been sanctioned, but 49 loans previously applied for were also sanctioned, making a total of 273 for £72,665. There are, therefore, 83 to be finally disposed of for the reasons set forth in the following table:—

Cause of Delay or Rejection.	No. of Cases.
Failed to show Title, . . . . .	7
Stopped owing to default in repaying previous Loans, or in paying Rents, &c., . . . . .	1
Failed to supply Plans, &c., . . . . .	2
Transferred to Land Law Department, . . . . .	5
Withdrawn, . . . . .	5
Under consideration, . . . . .	59
Refused, . . . . .	4
<b>Total number of Applications not come to maturity, . . . . .</b>	<b>83</b>

We continue to exercise due vigilance in reminding borrowers of their obligations to expend the instalments advanced to them, but make all fair allowance when sufficient reasons can be stated for deferring the completion of works.

\* Includes number of applications and amounts issued under Section 15, Land Law Act, 1881.

The following table gives the number of loans and the sums issued in the several counties in Ireland up to the 31st March, 1886:—

SCHEDULE showing the NUMBER of LOANS and AMOUNTS ISSUED from commencement of Act

Name of County.	No. of Loans.	Amounts issued.	Total No. of Loans.	Total Amount issued.
<b>NORTHERN DIVISION.</b>		£ s. d.		£ s. d.
Armagh, . . . . .	186	128,718 0 0		
Londonderry, . . . .	159	67,248 0 0		
Down, . . . . .	214	141,736 0 0		
Fermanagh, . . . . .	160	73,690 0 0		
Tyrone, . . . . .	281	140,013 0 0		
Antrim, . . . . .	64	20,388 0 0		
Donegal, . . . . .	127	89,474 0 0	1,171	603,314 0 0
<b>MIDLAND AND EASTERN.</b>				
Cavan, . . . . .	169	51,810 0 0		
Monaghan, . . . . .	91	48,129 0 0		
Louth, . . . . .	246	118,264 0 0		
Leath, . . . . .	79	35,879 0 0		
Meath, . . . . .	365	181,470 0 0		
Westmeath, . . . . .	225	88,488 0 0		
Dublin, . . . . .	223	77,712 0 0		
Kildare, . . . . .	268	130,630 0 0		
King's, . . . . .	170	46,687 0 0		
Queen's, . . . . .	300	143,800 0 0		
Wicklow, . . . . .	215	113,141 0 0		
Carlow, . . . . .	200	102,754 0 0		
Kilkenny, . . . . .	165	62,061 0 0		
Wexford, . . . . .	281	117,424 0 0	2,947	1,306,289 0 0
<b>WESTERN.</b>				
Sligo, . . . . .	193	86,627 0 0		
Letter, . . . . .	142	56,485 0 0		
Mayo, . . . . .	394	189,454 15 4		
Donegal, . . . . .	356	149,008 0 0		
Galway, . . . . .	644	254,187 0 0		
Clare, . . . . .	311	100,154 0 0	2,042	808,397 15 4
<b>SOUTHERN.</b>				
Limerick, . . . . .	539	266,921 0 0		
Tipperary, . . . . .	489	167,382 0 0		
Waterford, . . . . .	133	56,945 0 0		
Cork, . . . . .	1,005	277,133 0 0		
Kerry, . . . . .	546	278,904 0 0	2,812	1,036,585 0 0
<b>Totals, . . . . .</b>			8,972	3,814,585 15 4

#### MAIN AND THOROUGH DRAINAGE.

The number of loans sanctioned, of which thorough drainage forms the principal part, since the commencement in 1847 to the 31st March in this year are 5,974, amounting to £2,474,267, and of this number 72 loans,\* amounting to £17,700, were approved during the year ending 31st March, 1886.

#### PLANTING FOR SHELTER.

For this description of work 89 loans, amounting to £18,230, have been granted since the passing of the Act 29 & 30 Vic., c. 40; and of that number 1 loan, amounting to £700, was sanctioned during the year ending 31st March, 1886.

#### FARM BUILDINGS.\*

The total number of loans sanctioned for the erection of Farm Buildings since the passing of the Act 13 and 14 Vic., c. 19, is 2,189, amounting to £999,475. Of this number 128, amounting to £43,755, were approved during the year ending 31st March last.

#### DWELLINGS FOR AGRICULTURAL LABOURERS.

Since the passing of the Act 23 Vic., c. 19, the number of loans granted for this class of work is 614, amounting to £310,385, and of this number 26, amounting to £7,535, were sanctioned since our last report.

\* Portions of loans in which drainage and other land work have been included, have been devoted to Agricultural Buildings.



## LAND LAW (IRELAND) ACT, 1881.—LOANS TO TENANTS.

The operations under section 19 of the Land Law (Ireland) Act, 1881, 44 and 45 Vic., c. 49, are detailed in the subjoined table. The number of applications continues to be small. The frequent unwillingness of the borrowers to carry out the orders of the Land Commission Court in an effective manner has tended to delay in completing the issues under the loans sanctioned.

SCHEDULE of APPLICATIONS made under the 19th SECTION of the LAND LAW (IRELAND) ACT, 1881, showing the AMOUNTS advanced to the 31st MARCH, 1886.

Number of Loans, to 31st March, 1886.	Amount Sanctioned, to 31st March, 1886.	Amount advanced, to 31st March, 1886.
210	£113,001	£10,789

With reference to section 31 of the Act above referred to, we have to report that the number of applications received during the year ending 31st March, 1886, was 1855; the number of sanctioned cases being 1,435, amounting to £107,440. The amount issued during the same period was £115,643, making with the issues in previous years the sum of £486,914, advanced to tenant occupiers under this section.

The causes which have operated to prevent the success of some of the applications are chiefly failure to show title and insufficiency of the value of the holdings to provide adequate security for the advances sought.

The following table gives the distribution by Counties of the sums issued.

SCHEDULE showing the NUMBER of LOANS SANCTIONED and AMOUNTS ISSUED up to the 31st MARCH, 1886.

COUNTY AND CITIES.	Number of Loans Sanctioned.			Amounts Sanctioned.			Total Issues.		
	Year ending 31st Mar., 1886.	To 31st Mar., 1886.	Total Number.	Year ending 31st Mar., 1886.	To 31st Mar., 1886.	Total Sanctioned.	Year ending 31st Mar., 1886.	To 31st Mar., 1886.	Total Issues.
<b>LOANED:</b>				£	£	£	£	£	£
Carlow, . . . . .	9	32	41	1,135	5,125	6,260	731	3,059	3,790
Dublin, . . . . .	5	25	30	785	4,230	5,015	831	2,891	3,722
Kildare, . . . . .	8	73	81	1,365	12,535	13,900	1,736	8,509	10,245
Kilkenny, . . . . .	7	58	65	493	5,005	5,498	1,244	3,568	4,812
King's, . . . . .	42	87	129	3,581	8,305	11,886	3,173	4,958	8,131
Loughford, . . . . .	18	206	224	1,145	18,645	19,790	2,486	13,179	15,665
Leath, . . . . .	2	14	16	370	2,600	3,030	406	1,923	2,329
Meath, . . . . .	9	50	59	995	11,335	12,330	2,638	7,126	9,833
Queen's, . . . . .	15	39	54	1,840	4,005	5,845	1,349	8,166	9,515
Wexmouth, . . . . .	22	128	150	1,760	14,335	16,095	2,497	9,885	12,382
Wexford, . . . . .	10	39	49	1,110	5,310	6,420	991	5,255	6,246
Wicklow, . . . . .	10	34	44	915	4,085	5,000	891	2,827	3,718
<b>Totals,</b>	187	785	942	15,595	95,740	111,335	19,138	63,908	82,636
<b>MEMORANDUM:</b>									
Clare, . . . . .	124	578	502	9,280	33,035	42,315	9,212	22,822	32,034
Cork, . . . . .	215	1,077	1,392	16,330	92,440	108,770	18,833	69,422	88,406
Kerry, . . . . .	124	427	551	8,425	34,125	42,550	8,761	30,100	38,861
Limerick, . . . . .	52	312	364	4,440	30,860	35,300	6,194	18,680	24,874
Tipperary, . . . . .	42	169	221	4,910	16,330	21,240	4,874	10,962	15,836
Waterford, . . . . .	2	31	33	125	4,075	4,200	512	2,370	2,882
<b>Totals,</b>	569	2,394	2,963	43,610	210,915	254,525	48,306	145,401	193,607
<b>ULSTER:</b>									
Andrino, . . . . .	10	46	56	580	6,280	6,860	824	4,172	4,996
Armagh, . . . . .	13	45	58	870	2,925	3,795	678	2,086	2,764
Cavan, . . . . .	115	354	469	7,190	26,075	33,265	7,460	17,976	25,436
Down, . . . . .	50	137	187	2,385	9,917	12,302	2,472	6,986	9,458
Derry, . . . . .	12	34	46	1,030	3,915	4,945	683	2,638	3,321
Fermanagh, . . . . .	26	72	98	1,060	6,250	7,310	1,590	2,778	4,368
Londonderry, . . . . .	18	52	70	1,525	3,485	5,010	1,404	2,458	3,862
Monaghan, . . . . .	3	47	50	160	3,080	3,240	284	1,731	2,015
Tyrone, . . . . .	28	150	178	1,515	12,380	13,895	1,680	8,160	9,845
<b>Totals,</b>	265	937	1,212	17,235	71,807	89,042	17,060	48,875	65,935
<b>CONSTITUTION:</b>									
Galway, . . . . .	98	348	446	7,435	29,265	36,700	6,963	21,514	28,477
Louth, . . . . .	92	382	474	5,630	24,435	30,065	6,127	18,834	24,961
Mayo, . . . . .	111	750	861	7,575	57,110	64,685	8,280	43,048	51,328
Meath, . . . . .	76	258	334	5,110	20,065	25,175	4,781	13,896	18,677
Sligo, . . . . .	77	284	361	8,070	23,300	31,370	5,093	16,168	21,261
<b>Totals,</b>	454	2,039	2,493	30,710	154,165	184,875	31,244	113,490	144,734
<b>Gross Totals,</b>	1,453	6,173	7,610	107,440	532,647	640,687	116,643	371,271	486,914

We also beg to submit a statement classifying the loans under which works have been completed under the different descriptions of work to the 31st March, 1886.

Description of Works.	From passing of Act to 31st March, 1884.			For year ending 31st March, 1886.			Total from passing of Act to 31st March, 1886.		
	£	s.	d.	£	s.	d.	£	s.	d.
Land Improvement, Drainage, Fencing, and Farm Roads.	38,040	1	6	84,507	11	8	122,547	13	2
Farm Houses, Farm Offices.	62,513	6	3	73,771	4	9	136,284	10	3
Labourer's Cottages, 19th section.	3,577	17	6	5,763	1	5	7,042	18	11
Labourer's Cottages, 31st section.	1,646	19	4	2,062	13	1	3,699	12	5
Search Mills.	191	17	3	add.			191	17	3
	104,379	1	10	165,096	10	2	269,766	12	0

The number of loans in which the amounts sanctioned have been expended and the works certified as completed are 3,294, and those in which works were still in progress on the 31st March, 1886, were 3,763.

## II.—VOTED SERVICES.

Under this second head of our duties, comprising those services which are created by, or maintained from, annual votes of Parliament, the accounts detailed in the Appendix A record the following expenditures on each, to 31st March, 1886; and the second column shows the expenditure on the same votes for the preceding year 1884-85:—

Class I.	1884-85.	1885-86.
	£	£
Public Buildings, Ireland.	328,455	293,758
Royal University, Ireland.	18,987	10,711
Science and Art Buildings, Dublin.	20,640	1,306
Shannon Navigation.	2	—
Class II.		
Public Works Office.	53,721	56,601
	£312,805	£277,376

Showing the total charge against the Consolidated Fund for the year to be £312,805. But as from these services we have derived rents, tolls, fees, &c., amounting to £15,085, of which the sum of £14,246 has been paid or will be paid over to Her Majesty's Exchequer in aid of Revenue—the net charge amounts to £299,559.

## PUBLIC BUILDINGS.

### General Observations.

The maintenance of the several buildings in the Board's charge, together with such minor alterations and supplies of furniture and fittings as were necessary, have been duly attended to, and the authorized allowances of Fuel and Light provided.

The following new works and important alterations have been carried out during the year.

*I. Naval and Military Buildings; Coast Guard Stations.*—The new stations in North and South Arran Islands, the progress of which was necessarily slow from the difficulty of access, have been completed and occupied. The new station at Arklow, County Wicklow, is nearly finished, but that at Malahide, County Dublin, has been delayed, owing to the failure of the Contractor. Progress has been made with the new station at Lecamore, County Clare, and the additional houses at Moville, County Donegal.

*State and Official Residences.*—The extensive alterations and improvements in the drainage works and sanitary arrangements at the official residences in the Phoenix Park and Dublin Castle, have been carried out to completion.

*Metropolitan Police.*—The addition to the Kill-o'-the-Grange and Terenure stations, have been completed.

*Royal Irish Constabulary.*—The new barracks at Stirrupstown, County Meath, and Oala, County Limerick, and the works for the conversion of the old military barracks at Clonsilla, County Cork, and Cashel, County Tipperary, have been completed, and contracts have been entered into and progress made with the works at the new barracks at Galway, Portadown, County Armagh, and Dingle, County Kerry.

*London Criminal Lunatic Asylum.*—The works for the better security of the patients and for the enlargement of the dining hall, have been carried out.

## NATIONAL EDUCATION BUILDINGS.

The several additions and alterations to the Metropolitan Department and Model Schools, have been completed.

Owing to the withdrawal of opposition to the placing of schools under the National Education Board, the demands for grants for new schools still continue to increase, and though no expense is sanctioned in the erection of these schools, but that which is necessary to secure sound construction and efficiency in working, the large number of cases involves a very considerable annual outlay. The following schedule shows the amount of the grants made for ordinary literary schools during each of the last five years—

	£	s.	d.
1881-82, . . . . .	10,247	19	6
1882-83, . . . . .	2,604	0	6
1883-84, . . . . .	17,437	14	10
1884-85, . . . . .	22,911	17	6
1885-86, . . . . .	29,126	8	5

During the past year the Commissioners of National Education have notified grants in aid of building 109 new schools, and of structural alterations and improvements at 68 others. A considerable amount of work for which grants were made in former years, has also been carried out.

Five grants have been made for building, &c., teachers' residences in connection with vested schools, but since loans have been sanctioned for the erection of such residences, but few applications have been received for grants which are limited to one-half of the cost, and not in any case exceeding £100.

## REVENUE DEPARTMENT, CUSTOMS.

The redistribution of the offices in the Belfast Custom House has been postponed in consequence of the new offices for the Postal Department not having been completed as early as was anticipated.

## POST OFFICES.

The new Post Office at Belfast has been completed, and such progress made with the fittings and fixtures as will ensure the building being occupied early in the current year. Considerable progress has been made with the new building at Galway, and with the alterations in progress for extending the accommodation afforded by the General Post Office, Dublin. These later works are necessarily spread over a considerable time, as the occupation of the building cannot be interrupted, and the works must be carried out in succession.

## DEPOSITORIES FOR PAROCHIAL RECORDS.

Act 39 & 40 Vic., c. 58.

Under the provisions of this Act, inspections of proposed Repositories have been made in 21 cases, and reports thereon forwarded to the Deputy Keeper of Records.

## PARKS AND GARDENS.

*The Phoenix Park.*—The several buildings, roads, plantations, &c., have been satisfactorily maintained, and the People's Garden continues to be much appreciated by the public as a place of recreation.

*St. Stephen's-green Park,* 40 & 41 Vic., c. 134 (Local), has been maintained in good order, and is frequented by a large and increasing number of visitors of all ages and classes.

*The Curragh of Kildare.*—The official residence of the Deputy Ranger of the Curragh has been maintained in an efficient state.

## ROYAL HARBOURS.

## KINGSTOWN.

The works at this harbour have been maintained in good order during the year. The dredging out of the guardship's berth has been completed, and the deepening of the western side of the coal quay continued. 18,411 tons of silt have been dredged out of the harbour during the year.

Water has been supplied to H. M.'s ships, the vessels of the Irish Lights Board, yachts, and trading vessels, and 1,485 tons of ballast to the latter.

The raising of the platforms of the Mail Packet Pier, under agreement between Her Majesty's Postmaster-General and the City of Dublin Steam Packet Company, was completed within the time fixed by the agreement, and sundry other works consequent on this alteration were executed. The Managing Director of the Steam Packet Company has expressed his entire satisfaction as to the manner in which the work has been done, the rapidity with which it was completed, and the very small amount of inconvenience experienced during the time it was in progress.

Her Majesty's ship, *Assistance*, accidentally came into collision (stem on) with the Victoria Wharf, causing very considerable damage, which has been repaired.

In the following table is given the rain-fall and height of tides during the year.

KINGSTOWN HARBOUR—SUMMARY OF RAINFALL AND TIDAL OBSERVATIONS.

Month.	RAIN.				TIDE.					
	Fall in inches during month.	Maximum in 24 hours.		Number of days on which rain fell.	Maximum of High Water.			Minimum of Low Water.		
		Date.	Fall in inches.		Date.	Height.	Wind.	Date.	Height.	Wind.
<b>1885.</b>						ft. in.			ft. in.	
April, . . .	2.74	25	.68	10	25	12 9	S.E.	16	0 8	N.E.
May, . . .	2.30	9	.74	15	15	12 6	N.W.	18	0 3	N.W.
June, . . .	1.81	7	.61	5	13	11 9	E.	15	2 0	N.
July, . . .	.60	19	.23	6	13	11 10	S.W. and N.W.	14	1 6	N.W.
August, . . .	2.63	4	1.25	10	10	12 8	W.	13	1 6	N.W.
September, . . .	2.72	2	.90	13	10	12 9	W.S.W.	26	0 1	N.N.E.
October, . . .	3.31	7	1.06	19	26	12 9	W.N.W.	12	0 7	N.
November, . . .	2.73	21	1.13	12	27	12 4	S.S.W.	6	0 6	W.
December, . . .	.64	6	.14	6	4	12 9	W.	21	0 2	N.W.
<b>1886.</b>										
January, . . .	3.95	20	.90	20	22	13 2	N.E.	19	0 6	N.W.
February, . . .	2.28	14	.66	18	20	12 9	W. and S.W.	17	0 1	E.
March, . . .	2.49	19	.37	14	20	12 9	W.	20	1 9	W.
	27.50		8.83	144						

The following is a return of the vessels that have used the harbour during the past year:—

	Number.	Tonnage.
Trading Vessels, . . . . .	687	37,417
Yachts, . . . . .	86	5,373
Trawlers and Fishing Vessels, . . . . .	1,618	66,770
Steam Vessels, . . . . .	84	10,062
" Yachts, . . . . .	48	13,837
Belonging to Port, Yachts, Pilots, &c., . . . . .	23	400

#### FOREIGN TRADE.

	Number.	Tonnage.
Sailing Vessels, . . . . .	28	25,584
Steam Vessels, . . . . .	2	954
Men-of-War and Troopships, Store Ships, and H.M. Yachts, . . . . .	26	—

The number of vessels arriving for trading purposes was 299 and the dues paid on their tonnage amounted to £1,598 10s. 10d. A very large increase over former years is noticeable in the number of trawlers and fishing vessels using the harbour, which is caused by the fact that the fleet of boats engaged in the summer herring fishery now frequent it more than formerly.

#### HOWTH HARBOUR, COUNTY DUBLIN.

We have again to report that the works of this harbour received no damage whatever during the past year, their maintenance and renewal have been carried on as usual. The berths along the West Pier have been deepened, and notwithstanding most unfavourable weather, a large quantity of boulders and shingle, which was from time to time carried into the entrance by the sea, has been removed.

One new fish store, constructed in concrete, has been erected on the East Pier, two others are being built, and will be ready for use during the ensuing fishing season.

The herring fishery still continues to decline, the quantity captured being only 2,477 mease, which were sold at an average price of 32s. 6d. In the previous year the quantity was 6,340, and the average price was 34s. per mease.

The number of fishing boats which entered the harbour during the year was 393, viz. :—From England, 14 ; Scotland, 311 ; Ireland, 65 ; and Isle of Man, 3.

The imports, consisting of coals, salt, and cement, amounted to 3,785 tons, and the exports of 641 barrels of fish.

#### DUNMORE, COUNTY WATERFORD.

The works at this harbour were maintained in good order during the year. On the 7th March, 1886, a storm from the southward, which continued during three days, did considerable damage to the sea slope, which will be made good during the current year.

Fifty-one large fishing cutters (30 Irish and 21 English) frequented the harbour. They were engaged in trawling in deep water off the harbour, and were fairly successful.

Twelve open yawls (4 Irish and 8 Scotch), were engaged in long line fishing, but were not very successful in consequence of the scarcity of bait.

The herring fishing was more successful, 150 first class boats fished during the season, of which 70 were Irish ; 40 Cornish ; 20 Scotch ; and 20 Manx.

The quantity of herrings sold was 16,865 mease at 30s. per mease, 3,000 mackerel at 5s., and 2,203 pilchard at 2s.

The lobster fishermen did very fairly, the price being 5d. per lb.

#### DONAGHADEE HARBOUR, COUNTY DOW.

The works at this harbour consisted of the usual repairs and maintenance. A quantity of about 150 tons of heavy rubble, carried in between the pier head by storms, was removed by divers. On the 3rd of December a violent storm set in from the S.E. causing much injury to the toe of the sea slope of the northern pier for a length of 130 feet. All materials are on the ground, and the necessary repairs will be made as soon as the state of the weather permits.

#### ARDGLASS, COUNTY DOW.

The works undertaken by authority of Ardglass Harbour Act were completed on the 30th of September last. During the year extensive repairs were made to the works of both the new and old harbours, both of which have been kept in good order. Your Lordships have authorized us to submit an annual sum in the estimates for the repairs and maintenance of the works, and that the receipts for tolls be paid into the exchequer, as in the case of the other Royal Harbours.

### ISLAND NAVIGATIONS.

#### RIVER MARGUE NAVIGATION.

The bridge, quays, and river banks have been kept in good order, and the collector's house has been repaired.

#### ULSTER CANAL AND TYRONE NAVIGATION.

The works executed during the past year were limited to repairs incidental to the maintenance of the works, viz. :—Repairs of lock-gates and bridges, the cleansing of the canal and feeders, and the raising of the banks where subsidence had taken place.

A Bill was introduced during the last session of Parliament, the object of which was to provide for the transfer of the navigation to the Lagan Canal Company (on certain conditions) which, however, did not become law.

### ROYAL UNIVERSITY BUILDINGS.

The contract for the additions and structural alterations of the existing buildings was entered into on the 21st August, 1884. In the existing buildings provision is made for the official business of the University, the keeping of its records, the meeting of Senate and Convocation, Library and Museum Rooms for Examiners, Waiting, Retiring, and Refreshment Rooms for Male and Female Candidates, and eight Examination Halls, accommodating from 20 to 200 students each.

The additions consist of Halls for Technical examinations in Chemistry, Physics, Physiology, Anatomy, and Biology.

The several works are almost complete, and considerable progress has been made in providing the fittings of the several departments.

## NEW MUSEUM OF SCIENCE AND ART BUILDINGS.

At the close of last year the Board reported that the design for these buildings had been approved, and the necessary steps were then being taken to invite tenders for the execution of the work.

Owing to the large extent and ornate character of the proposed buildings, the preparation of the detailed drawings for contract and the bills of quantities required for those persons who proposed to tender for the work occupied considerable time, and it was not until July last that the Board were in a position to call for tenders for the work. In response to the invitation which was then issued, a very satisfactory competition took place, 45 tenders were received, and that of the Messrs. J. and W. Beckett of Dublin, was accepted, with whom the contract was at once entered into, and considerable progress has since been made with the Museum building.

*Botanic Gardens, Glasnevin.*—The enlargement of the shed at the back of the Palm House has been completed.

## ANCIENT MONUMENTS PROTECTION ACT, 1882.

45 & 46 Vic., cap. 73.

The following steps have been taken for the preservation and protection of the monuments included in the schedule attached to the above Act.

*Dooagh Rath.*—The owners of this monument, the trustees of the Netterville Charity, having vested it in the Commissioners, considerable explorations have been made, the result of which is that several new chambers have been discovered in the rath in which some objects of interest have been found.

*Lough Crew (Taltin).*—This extensive ancient burying-ground, which has also been vested in the Commissioners by the proprietor, J. L. Naper, is one of great interest, and the necessary works for the preservation of the several monuments in connection with it are in progress.

*Glen Maslin, Donegal.*—These stone monuments and groups of sepulchral cists have been vested in the Commissioners by the Messrs. Musgrave, and arrangements are being made for building enclosing walls for their protection.

*Corrasmara, in Sligo.* has also been vested in the Commissioners by the owner, the Earl of Erne, and the works necessary for their preservation will be carried out immediately.

*Wardstown, in Meath.*—These earth works consist of simple undulations in the ground and no works of protection will be necessary.

Careful inspections have been made of several of the other monuments included in the schedule attached to the Act; in some instances it has been ascertained that the owners who take much interest in the structures have made such arrangements as they considered necessary for their preservation, and have declined to transfer the guardianship to the Commissioners, and of course in such cases no necessity arises for taking any action in regard to them. In all other instances the Commissioners are taking such steps as are deemed necessary for the protection of the monuments.

## III.—MISCELLANEOUS OR NON-VOTED SERVICES.

This last division of our duties comprises a variety of services placed under our control or management in pursuance of several Acts of Parliament.

Though numerous, some of them are of only casual occurrence, and therefore do not form the subject of any special remarks.

Those on which special reports follow are arterial drainage works, where, except in the matter of occasional maintenance, our functions, in addition to making loan advances, are confined to advice to Drainage Trustees and Boards, in making awards for completed works, to distribute the proper proportion of charges among the proprietors of land in each district, and, when called upon to do so, to increase the rents of tenants in respect of these improvements.

We are charged with a variety of duties in connexion with fishery piers and harbours which are constructed by Government grants and contributions from counties, and others locally interested in these works. This duty is not confined to new works, but to the very numerous piers which have been constructed from time to time by Government aid since the year 1820, and which, although vested in counties, frequently require the direct interference of Government, either in the matter of repairs or otherwise.

The operations on this service, as the report shows, have been largely increased by the grant made by Parliament of £250,000, out of the Irish Church Funds under the provisions of the Sea Fisheries Ireland Act, 1883.

In connexion with this branch of our duties there are special harbour works, from time to time, authorized, such as Arklow Harbour, in the county of Wicklow, where certain baronies in the county have supplemented a grant of £15,000 from the Consolidated Fund by a contribution of £20,000, the repayment of which is to be distributed over a period of forty years, and also in the case of Kinsale Harbour a Government Grant of £7,500 is aided by a large contribution of £10,500 from the funds of the Harbour Commissioners.

Our extensive loan operations lead sometimes to the necessity of our taking over and completing works which have been commenced by borrowers, who have failed in their execution. In this way we have lately, in view of protecting the interests of the Exchequer, been obliged to place a Receiver over the dues of Galway Harbour, and to take possession of the Southern Railway which connects Thurles with Clonmel.

The administration of the Shannon and other navigations in Ireland, whether maintained from their own funds, as in the case of the Shannon, or partly by votes of Parliament, involve considerable care and attention.

The next class of duties embraced in this division is the administration of two special loan funds, one the Irish Reproductive Loan Fund, including ten distinct funds, applicable to the counties named hereafter in this Report. The funds of the eight maritime counties being applied to the purpose of loans to aid fishermen in buying boats, gear, nets, or in creating oyster beds; and in the case of two inland counties, Roscommon and Tipperary, to works of general utility.

The Sea and Coast Fisheries Fund, which was handed over to us, in pursuance of an Act passed in 1884, is applicable for Fishery Loans in all the maritime counties of Ireland, a preference being given to those counties which are not in possession of any special fund.

Another important branch of this division is the care and preservation of 137 National Ecclesiastical structures which have been vested in us from time to time, and are maintained out of a grant of £50,000 allocated for the purpose out of the Irish Church Funds in pursuance of the Irish Church Act, 1869.

Certain duties in connexion with the Grand Jury system of Ireland still devolve on us, the principal of which are the occasional repair of Post Roads, the examination of County Surveyors' Assistants, the building of bridges between counties, and other miscellaneous duties.

The Report also shows that we are charged with certain duties in connexion with Limited Owners' Residences, Arbitrations under the Railways Ireland Act, and in aiding the Local Government Board with certain financial duties connected with Emigration, Relief of Distress, and also carrying out the duties of the Board of Control of Lunatic Asylums.

A full report of the proceedings taken by us in connexion with the Tramways and Light Railways of Ireland, both under former Acts and under the Tramways and Public Companies Act of 1883, are also appended.

The receipts and expenditure incurred under the Miscellaneous Services are detailed in the Appendix A 5, A 6, and A 7, and amount to £173,869 and £166,504, respectively, as against £114,750 and £131,712, in the year to 31st March, 1885.

The receipts and expenditure incurred under the miscellaneous service are detailed in the Appendix A, and amount to £114,780 and £131,712 respectively.

DRAINAGE AND IMPROVEMENT OF LANDS (IRELAND) ACT, 1863, AND AMENDMENTS: 26 & 27 Vic., c. 88; 27 & 28 Vic., c. 72; 28 & 29 Vic., c. 52; 32 & 33 Vic., c. 72; 35 & 36 Vic., c. 31; 37 & 38 Vic., c. 32; 41 & 42 Vic., c. 59; and 43 & 44 Vic., c. 27.

The total number of applications received from the passing of the first of these Acts in the year 1863 to the 31st of March, 1886, is ninety, including four received during the year 1885-86, viz. :—

The Glashem River, county Cork—The Upper Nanny River, county Meath—The Greenagh River, county Limerick—The Follistown, county Meath.

The preliminary inquiries are being proceeded with in these cases.

The Assents having been received, Provisional Orders were made for :—

The Glashem River, county Cork; the Upper Nanny River, county Meath; the Greenagh River, county Limerick; and Bills to confirm the Provisional Orders have been sent to the Treasury, to be brought before Parliament.

Acts of Parliament were passed last Session to confirm Provisional Orders for :—The Morning Star River, county Limerick—The Caiben River, county Kerry—The Ballyteigue and Kilmore, county Wexford.

The works have been in progress in the following districts :—

River Sack, counties Galway and Roscommon; Lough and River Erne, Drainage and Navigation, Counties of Fermanagh, Cavan, Monaghan and Donegal; River Lerr, counties Kildare and Carlow; Milford, county Cork; Hogan's Pass, county Tipperary; Owenroe and Moynalty, county Meath; and Nanny River, county Meath.

No loan has yet been applied for in the case of the Cahermone district, in the county of Cork, for which the Provisional Order Confirmation Act was obtained on the 2nd April, 1882.

A schedule of the final awards made under these Acts will be found in the appendix.

The total area of land drained or improved in the thirty-nine districts in which final awards have been made, is 74,884 statute acres, and the total cost chargeable thereto amounts to £463,453. This has been in addition to the works of the 121 districts, carried out under the Act 5 & 6 Vic., c. 89, and the Acts amending it, between the years 1843 and 1860, on which an expenditure of £2,390,612 was incurred, of which £70,201 was for works chargeable to counties; £141,073 a free grant; £1,206,312 remitted; and £1,043,227 made repayable by annuity or otherwise, by which 266,736 acres were drained or improved.

#### DRAINAGE MAINTENANCE ACT, 1866.

29 & 30 Vic., cap. 49.

The necessary preliminaries having been completed, loans have been sanctioned by your Lordships for carrying out the needed works of maintenance in the Fergus District, Counties Clare and Galway; Shinrone, King's County; and Dummoran, County Sligo.

The works for maintenance of the Ballinderry drainage district, in the county of Westmeath, were commenced, and completed during the year.

Under Your Lordships' special sanction, a sum of £194 2s. has been expended on the improvement of the Hind River, in the county of Roscommon.

#### INCREASED RENTS IN RESPECT OF DRAINAGE CHARGES.

During the past year 12 applications were received from Proprietors for increased rents to be paid by the tenants in respect of lands improved by drainage, embracing 86 holdings; 61 being tenants from year to year, and 25 leaseholders; and meetings have been held by us to determine the amounts.

#### RAILWAY CLAUSES CONSOLIDATION ACT.

8 Vic., cap. 20, s. 25.

Plans, sections, and schedules were received during the year in two cases, viz. :—

The Cavan, Leitrim, and Roscommon Light Railway, and the Schull and Skibbereen Tramway and Light Railway.

In the first case the certificate provided for by the Act has been given. In the second an examination of the line has been made.

#### DRAINAGE OF RIVER BARROW DISTRICT.

On the 4th August, 1884, our chief engineer furnished a preliminary report upon this district, which was presented to the House of Commons by order dated the 7th August, 1884; but it was not till the 16th of June following, that Mr. Thomas FitzGerald, furnished his report on the valuation of the district, which was delayed by the flooded state of the district, and the extended nature of the inquiry. Simultaneously we received the final report of our engineer, and both documents were shortly after forwarded to the Commission appointed to inquire into the drainage of the district. Both officers were subsequently examined at several of the meetings of the Commissioners who made their report on the 12th February, 1886, which was presented to both Houses of Parliament by the command of Her Majesty.



In this Report they observe :—

- " That the best method of dealing with the question at hand would be to recommend the introduction of a special Act of Parliament, dealing with the drainage scheme as proposed by Mr. Manning, C.E., as a whole, but extended in and about Athy, in accordance with the suggestions made by Mr. Commissioner Howard, C.E., in his report; providing for the immediate execution of the works recommended by the majority of the Commissioners; and that the Act should contain provisions enabling those proprietors interested in the drainage of the tributaries at their own option to deal with those tributaries, either as immediate parts of the whole or as subsequent and subsidiary parts of the entire scheme.
- " That a general Board of Management should be created to supervise and control the works, with reference to the Board of Works as a controlling body.
- " That this Board be composed of those interested in the districts affected. That in the event of any tributary district not utilising the new outfall which will be given by the works on the main rivers, that such district should not be considered to be contributory to, or subject to the management of the central Board.
- " That any tributary district desirous to co-operate in the main scheme of works should be entitled to take such course, and thereby become immediately contributory and subject to the central Board of Management.
- " That should any tributary district prefer to undertake and carry out the drainage works in that district, under the provisions of the Drainage Acts, and subsequent to the main drainage works, it shall be entitled to do so, but from the date of the commencement of such works, and the utilisation of the main drainage for its outfall, such district must become contributory to such general rates as may be hereinafter specified and arranged, and subject to the Board of Management in all matters having reference to the utilisation of the main drainage works by that particular tributary."

#### FISHERY PIERS AND HARBOURS MAINTENANCE, under the Act 16 & 17 Vic., c. 136.

An expenditure of £87 10s. 3d. was made on six Piers and Slips, particulars of which will be found in the appendix to this report (p. 55).

With regard to the case of the Donegal Piers referred to in our last report, His Excellency the Lord Lieutenant ordered an inspection thereof by Mr. Thomas Stevenson, F.R.S.E., an eminent Scotch engineer. This report was presented to both Houses of Parliament by command of Her Majesty, and to which we beg leave to refer. (See Appendix, p. 72)

#### FISHERY PIERS AND HARBOURS under the Acts 9 Vic., c. 3; 9 & 10 Vic., c. 75; 16 & 17 Vic., c. 136; 19 & 20 Vic., c. 37; 29 & 30 Vic., c. 45; 43 & 44 Vic., c. 14.

The three Piers which were not quite complete at the end of the last financial year have been finished, viz. :—Tonatanvally, Carnsore, and Carrowmore.

Your Lordships have not sanctioned any further expenditure under these Acts.

#### SEA FISHERIES (IRELAND) ACT, 1883.

Of the thirty-six works enumerated in the table at page 25 of our Annual Report for 1884-5, five have been completed, twenty-nine are under construction, and are in different states of progress, and two, viz. :—Dingle Lighthouse and Passage East Harbour (which were not sanctioned at the close of the past financial year, but which have been since approved) have not been commenced. The first awaits a reply from the Harbour Commissioners as to the site, and the second for the receipt of tenders due on the 12th day of May. In addition to the foregoing the construction of twenty-two other works has been sanctioned. Of these nineteen are under construction, one has been let by contract, and in three cases the necessary preliminaries to calling for tenders are in a forward state.

At the close of the financial year, the construction of fifty-seven works (see annexed index map) estimated to cost £235,089, has been sanctioned by your lordships, and a sum of £75,891 has been expended.

The past winter has been exceptionally severe, and the works in progress were retarded by the state of the weather.

In view of the strong representations made to us of the great distress existing along the coast, we ordered twenty works to be executed by day's labour, under the immediate supervision of the Board's officers, so as to avoid the delay, which the calling for tenders and entering into contracts would have involved. We are glad to be able to state that during the winter, no serious damage has been done to any of the works under construction, although in some cases the contractors have had injury done to their plant, &c., by the sea.

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The following table gives particulars of the estimates and expenditure :—

No.	Name of work.	County.	Estimate	Expenditure to 31st March, 1886.	Works under construction by
			£	£	
1	Achill, . . . .	Mayo, . . . .	1,500	3	Contract
2	Annasnal, . . . .	Kerry, . . . .	800	507	do.
3	Annalong, . . . .	Down, . . . .	4,000	2,437	do.
4	Ardr West, . . . .	Galway, . . . .	900	197	Day's labour.
5	Aughris, . . . .	Sligo, . . . .	2,000	2,115	Contract.
6	Ballycotton, . . . .	Cork, . . . .	20,000	9,183	do.
7	Ballydoon, . . . .	Kerry, . . . .	2,000	203	Day's labour.
8	Ballynagwal,* . . . .	Waterford, . . . .	1,500	1,490	Contract.
9	Ballywillan,† . . . .	America, . . . .	1,600	—	—
10	Ballyvaughan, . . . .	Cork, . . . .	1,000	691	Contract.
11	Bealadangan, . . . .	Galway, . . . .	500	19	Day's labour.
12	Belmullet East, . . . .	Mayo, . . . .	3,400	86	do.
13	Belmullet West, . . . .	Mayo, . . . .	500	27	do.
14	Best Strand, . . . .	Waterford, . . . .	6,500	5,032	Contract.
15	Beandon, . . . .	Kerry, . . . .	4,800	—	do.
16	Bundoran, . . . .	Donegal, . . . .	3,500	2,162	do.
17	Buncrana, . . . .	Galway, . . . .	2,950	59	Day's labour.
18	Ballyhalbert,† . . . .	Down, . . . .	7,000	—	—
19	Carlingford, . . . .	Louth, . . . .	15,000	4,404	Contract.
20	Carrigabolt, . . . .	Clare, . . . .	13,500	6,321	do.
21	Carrowkeeran, . . . .	Mayo, . . . .	3,000	2,294	do.
22	Cashla, . . . .	Galway, . . . .	2,750	11	Day's labour.
23	Chickpoint, . . . .	Waterford, . . . .	3,500	1,614	Contract.
24	Cleggan, . . . .	Galway, . . . .	8,000	1,974	do.
25	Clogher Head, . . . .	Louth, . . . .	17,000	921	do.
26	Collahelgue, . . . .	Galway, . . . .	2,000	24	Day's labour.
27	Croagh, . . . .	Galway, . . . .	2,800	600	do.
28	Crook, . . . .	Donegal, . . . .	4,500	2,449	Contract.
29	Crookstown Bore,† . . . .	Cork, . . . .	2,400	—	—
30	Dingle,† . . . .	Kerry, . . . .	800	—	—
31	Enniskerry, . . . .	Sligo, . . . .	4,000	1,994	Contract.
32	Enniscorthy, . . . .	Galway, . . . .	300	159	Day's labour.
33	Glin,* . . . .	Limerick, . . . .	19	19	do.
34	Groynes, . . . .	Wicklow, . . . .	10,000	5,689	Contract.
35	Inishbofin, . . . .	Galway, . . . .	240	89	Day's labour.
36	Inishrone, . . . .	Sligo, . . . .	6,000	4,554	Contract.
37	Kilkee, . . . .	Clare, . . . .	1,400	104	Day's labour.
38	Kilkeel, . . . .	Down, . . . .	7,400	2,695	Contract.
39	Killarduff, . . . .	Mayo, . . . .	1,200	15	Day's labour.
40	Kilmore, . . . .	Waterford, . . . .	8,500	—	Contract.
41	Knockadoon,* . . . .	Cork, . . . .	1,200	1,296	do.
42	Lacken, . . . .	Mayo, . . . .	5,530	766	do.
43	Lemmy, . . . .	Mayo, . . . .	1,350	18	Day's labour.
44	Liscannor, . . . .	Clare, . . . .	6,000	3,396	Contract.
45	Malin Head, . . . .	Donegal, . . . .	10,000	2,730	do.
46	Malinmore, . . . .	Donegal, . . . .	1,500	719	do.
47	Mason Island, . . . .	Galway, . . . .	710	177	Day's labour.
48	Passage East,† . . . .	Waterford, . . . .	3,915	—	—
49	Pollesnock, . . . .	Mayo, . . . .	400	34	Day's labour.
50	Portlough,* . . . .	Donegal, . . . .	2,000	1,814	Contract.
51	Portlough, . . . .	Donegal, . . . .	6,400	1,237	do.
52	Portlough, . . . .	Londonderry, . . . .	4,000	31	do.
53	Rosavally, . . . .	Galway, . . . .	340	42	Day's labour.
54	Ross Bay, . . . .	Cork, . . . .	4,000	1,331	Contract.
55	Seaford, . . . .	Clare, . . . .	2,425	1,069	do.
56	Travincle, . . . .	Galway, . . . .	3,000	425	Day's labour.
57	Unken Hall, . . . .	Cork, . . . .	4,600	825	Contract.
			£238,069	£75,891	

\* Works completed.

† Works not commenced.

#### ARLLOW HARBOUR, COUNTY WICKLOW.

During the year the damage done to the works in the winter of 1884-5 was made good, and an additional length of 122 feet of the Southern pier constructed; leaving only a length of 120 feet of that pier to be completed.

On the 8th of January last, Messrs. Stevenson and Seaton, M.L.C., made a report to His Excellency the Lord Lieutenant on the state of the works, which was presented to both Houses of Parliament, by Command of Her Majesty, and which contained some recommendations (amongst others), as to the manner of completing the length of

120 feet above mentioned. We have not as yet received your Lordships decision on those recommendations, but we have been authorized to proceed with 60 feet of that length in which no change in the mode of construction already adopted was made. And the contractor has received orders accordingly. (See Appendix, p. 70.)

#### KINSALE HARBOUR.

The works at this Harbour have been carried on with energy during the past year, and a considerable length of the quay has been opened for traffic, which has been gladly taken advantage of by vessels frequenting the harbour. Considerable subsidence took place in the quay wall—which was anticipated—but the settlement was even, and caused no fracture in the concrete work. The situation of the quay and pier is so sheltered that no danger need be apprehended from the sea. There are no other circumstances connected with the harbour which at present call for observation.

#### CLARE SLOE RECLAMATION.

The serious damage to the work which occurred on the 4th November, 1884, and which was mentioned in our last annual report, has been made good, and it is expected that the entire embankment from end to end will be finished before the end of June in the present year.

#### SHANNON NAVIGATION.

The piers and quays on the Lower Shannon have been kept in good order. At Kildysert, a new floating stage has been built, and is now placed in position.

On the upper division (extending from Lough Allen to Limerick, the works of the navigation have been well maintained.

The buoys and beacons on the lakes and river were all painted and overhauled, and renewed where necessary.

The Swivel-bridge at Athlone, the iron work of which was damaged by the passing of a heavy traction engine, was repaired. A new set of tail gates for Victoria Lock, Meelick, have been framed, and will be put in place as soon as the state of the weather permits. Two breast-gates at Moyes Lock and one at Drumaleague Lock were renewed; as well as the tail gates and sill of the tidal lock at Limerick.

#### LOWER BOYNE NAVIGATION.

The works of this navigation have been maintained in good order during the year. The breast-gates at Broe locks and the middle gates at Rossmore are old and weak. The gates at both stations worked fairly well during the year; but will require repairs or renewal at no distant date.

#### IRISH REPRODUCTIVE LOAN FUND.

The following statement shows the total amount advanced on loan for fishery purposes, with one exception, Roscommon County, in each of the ten counties interested, up to 31st December, 1885, the date of the last Parliamentary return, and the total repayments to the same date:

County	No. of Loans.	Total Amount advanced to 31st December, 1885.	Total Amount to be repaid, including interest at the rate of 5½ per cent per annum.	Repayments to 31st December, 1885.	Balance available for Loan on 1st January, 1886.
		£ s d.	£ s d.	£ s d.	£ s d.
Clare, . . . . .	320	4,090 13 0	4,235 15 10	3,594 14 2	3,074 19 4
Cork, . . . . .	382	14,834 0 0	15,153 9 3	10,763 8 10	3,994 13 10
Galway, . . . . .	1,191	17,429 17 0	18,535 13 2	10,474 8 8	86 16 3
Kerry, . . . . .	642	12,816 4 9	20,337 6 7	17,103 3 7	12,511 18 7
Lettism, . . . . .	4	100 0 0	103 10 10	26 5 0	1,817 5 0
Limerick, . . . . .	4	241 0 0	258 8 4	248 15 10	2,346 9 4
Mayo, . . . . .	244	9,267 8 0	9,791 6 6	6,243 17 9	1,220 18 0
Sligo, . . . . .	332	4,034 0 0	4,300 19 3	2,927 13 9	1,084 11 4
Roscommon, . . . . .	1	1,500 0 0	*1,511 18 4	41 18 4	5,446 18 7
Tipperary, . . . . .	—	—	—	—	4,711 1 4
Total, . . . . .	3,700	70,543 7 9	74,283 8 3	51,495 0 11	35,165 9 7

\*Only the 1st half-year's interest is included in this sum. The full interest charge cannot be ascertained until the loan is paid off.

In the past year, the Board made the first loan for other than fishery purposes, viz.:—£1,500 to the Roscommon Town Commissioners, to enable them to purchase a site for Fair Green, Town Hall and Market House.

The total amount of instalments in arrear on the 31st December, 1885, was £1,860, of which £303 is irrecoverable. This exhibits a more satisfactory state of things—the arrears on 31st December, 1884, amounted to £2,079—which is attributable to the arrears recoveries being now mainly committed to delegates appointed by the Board, in place of the proceeding by Civil Bill through the Sessional Crown Solicitors.

The number of loans made during the year ended 31st December, 1885, was 722, amounting to £11,067 19s., a very material increase as compared with the previous year, when they numbered 410, with £8,224, and these figures were much in excess of previous years' transactions.

#### SEA AND COAST FISHERIES FUND.

With respect to this fund, the unapplied portion of which on the 31st December, 1885, amounted to £21,375, which is worked on the same principles as the Irish Reproductive Loan Fund, the Board made, in the year, loans to the number of 134, and £8,071 in amount. Excepting county Cork, these advances were made to the counties situate on the north and east coasts which are not endowed under the Irish Reproductive Loan Fund Act.

The repayments amounted to £3,982, of which £3,162 was in respect of the loans made by the late trustees.

The arrears, we regret to report, have increased from £2,205 to £3,429, the greater part of which, it is feared, is irrecoverable; but it is necessary to observe that the arrears principally arose before the fund was under our administration.

On the representation of the Inspectors of Fisheries, the Board have allocated out of this fund, the undermentioned sums to counties endowed under the Irish Reproductive Loan Fund Act, their funds being at present all out on loan.

Cork,	£2,500
Galway,	£2,500
Mayo,	£800

#### NATIONAL MONUMENTS—IRISH CHURCH ACT, 1869.

During the past year the necessary works of repair have been completed at the Round Towers and Churches at Clones, county of Monaghan, and Drumlane, county of Cavan, and also at the numerous pre-historic Forts—Cloghans and Churches, in the Arran Islands off Galway Bay.

The final order of the Commissioners of Church Temporalities vested in this Board 137 structures for the purpose of preservation as national monuments, and all works necessary to put them into such a condition as will resist further damage by time and exposure have been carried out at all these structures, with the exception of eleven, the repairs of which will be proceeded with in due course. No restorations have been executed beyond replacing in position portions of the tracery of windows, dressed arch and jamb stones, and similar fragments which may have been found scattered about the area of the buildings.

#### POST ROADS.

Act 6 & 7 Wm. IV., cap. 116, section 61.

Applications from the Postmaster-General were received during the past year for repairs of post roads situate in the following counties:—

Co. TIFTERARY.—Thurles to Ballynahill. Co. CORK.—Skibbereen to Baltimore. Co. KERRY.—Ardfert to Ballyheigue. Co. GALWAY.—Galway to Oughterard.

Where the roads are not already under contract, the repairs are executed under the superintendence of the respective County Surveyors. The cost of the works is defrayed by the Board, and is repayable by Grand Jury Presentment at subsequent Assizes.

#### COUNTY SURVEYORS' ASSISTANTS.

Nine Candidates for the office of County Surveyors' Assistants have been examined under the warrant of the Lord Lieutenant, pursuant to the provisions of the Act 6 & 7 William IV., c. 116, and their qualifications certified to the County Surveyors.

*Lisburn Bridge.*

## COUNTIES OF ANTRIM AND DOWNS

This work was completed on the 1st August, 1885, at a cost of £11,134 12s., and on the 8th of February following. His Excellency the Lord Lieutenant directed the expenses of construction to be presented for in equal proportions by Grand Juries of the counties of Down and Antrim, by order dated the 22nd February, 1886.

## LIMITED OWNERS' RESIDENCES (SETTLED ESTATES ACTS).

27 & 28 Vic., c. 113; 33 & 34 Vic., c. 36; 34 & 35 Vic., c. 84; 40 and 41 Vic., c. 31.  
Two absolute Orders have been made under these Acts during the past year.

## ARBITRATIONS UNDER "THE RAILWAYS (IRELAND) ACTS."

(1851, 1860, 1864.)

14 &amp; 15 Vic., c. 70; 23 &amp; 24 Vic., c. 97; and 27 &amp; 28 Vic., c. 71.

Arbitrations have been applied for and Arbitrators appointed for the following, viz. :—

*Railways :*

- Belfast and Northern Counties Railway Company—Lands required in connexion with the Ballymena, Cushendall and Reahay Railway, Broughshane Branch.  
West Clare Railway Company—Lands required for the purposes of the undertaking.  
Carrickfergus Harbour Junction Railway Company—Lands required.  
Clogher Valley Tramway Company—Lands required.  
Cavan, Leitrim and Roscommon Light Railway Company, Limited—Lands required.  
West Carbery Tramways and Light Railways Company, Limited—Land required in connexion with Schell and Skibbereen Tramway.  
Giant's Causeway, Portrush and Bush Valley Railway and Tramway Company—Lands required.

*Commissioners :*

- Belfast Harbour Commissioners—Lands required.  
Belfast Water Commissioners—Lands required.  
Do. do. —Water required

*Boards of Guardians of Poor Law Unions :*

- Clogheen, Kanturk, Dundalk, Mullingar, Longford, Enniscorthy, Limerick—Lands required for the purposes of the Labourers' (Ireland) Acts, 46 & 47 Vic., cap. 60, and 48 & 49 Vic., cap. 77.  
Bandon—Lands, &c., required in connexion with the water supply in Bandon.  
Naas—Lands, &c., required in connexion with the Kildare Waterworks.  
Mullingar—Lands, &c., required in connexion with the Mullingar Waterworks.

## TRAMWAYS AND LIGHT RAILWAYS.

TRAMWAYS ACTS, 23 & 24 Vic., c. 152 (1860); 24 & 25 Vic., c. 103 (1861); 34 & 35 Vic., c. 114 (1871); 44 & 45 Vic., c. 17 (1881), and 46 & 47 Vic., cap. 43 (1883).

Under the provisions of the Tramways Acts of 1860 and 1861 we are required, on the application of the promoters of tramway and light railway projects, to cause an inquiry to be held into the merits of the undertakings from an engineering point of view, and to say modification in that respect which may be advantageously made, and to report our opinion thereon. These reports are directed to be submitted to the Grand Juries for their consideration in approving of the proposals made, prior to granting a baronial guarantee on the amount of capital required for the carrying out of any proposed undertaking, and to an Order of the Lord Lieutenant in Council being sought.

The cost of these inquiries has been defrayed out of funds deposited in our hands by the Promoters.

The following is a list of the proposed schemes in order of counties :—

SUMMER ASSIZES, 1884.

County.	Name of Project.	County.	Name of Project.
Armagh.	Carrickhughes, Bishope, Junction Light Railway.	Galway.	Tam and Mayo Junction Light Railway.
Cavan.	Oldcastle and Keshlock Tramways.	"	Woodlawn and Mountfalcon Tramway.
Clare.	Kilrush and Killybeg Railway and Tramway.	Kerry.	Lisnaw and Ballybuckan Tramway.
"	Kilrush and Killybeg Steam Tramway and Light Railway.	"	Lisnaw and Ballybuckan and Ballyvaughan and Tynagh Light Railway.
Cork.	Ballyhenery and Timoleague Tramway and Light Railway.	"	Tynagh and Single Light Railway.
"	Clonahilly and Rossmore Light Railway.	Kildare, Queen's and Kildare.	Kilbenny and Castlemaize Tramway.
"	Cork and Mallow Light Railway (Cork, Castleduff, and Mallow).	"	Castlemaize and Castletown Bridge Tramway.
"	Cork, Douglas, Carrigrohilly, and Crosshaven Light Railway.	"	Castletown Bridge and Ashy Tramway.
"	Keshlock and Newmarket Light Railway.	Kildare.	Leixlip and Leixlip Tramway.
"	Middleton and Clonsilla Light Railway.	Lancaster.	Chapelville, Broadfield, and Newcastle Richmond Light Railway.
"	Midleton and Clonsilla Light Railway.	Loughlin.	General Junction Light Railway.
"	Midleton and Fermoy Light Railway and Tramway.	Mayo.	Charlestown, Chesham, Ballinacree, and District Light Railway.
"	Poumoy West and Carrigrohilly Light Railway.	"	Ferndale, Sarsfield, and Ballinacree Light Railway.
"	Schell and Shillbreen Tramway and Light Railway.	Queen's.	Ballyvaughan and Ballyvaughan Tramway and Light Railway.
"	Shillbreen, Glenties, and Union Hill Light Railway.	Rockingham.	Rockingham Central Light Railway.
Down.	West Down Light Railway.	Sligo and Mayo.	Sligo and Ballin Light Railway and Tramway.
Down.	County Down Light Railway (Newtownards to Fintona).	Sligo.	Colsonay and Charlestown Light Railway.
Dublin.	Dublin and Blessington Steam Tramway.	"	Sligo, Broadfield, and Rosin Point Tramway.
Galway.	Galway, Oughterard, Clifton, Ballinacree, and Roscommon Tramways and Light Railway.	Tipperary.	Good's Cross and Oughter Light Railway.
"	Galway, Oughterard, Roscommon, and Clifton Light Railway.	Wexford.	South Wexford Light Railway.
"		"	Wexford and Roscommon Light Railway.

SPRING AND SUMMER ASSIZES, 1885, AND SPRING ASSIZES, 1886.

County.	Name of Project.	County.	Name of Project.
Armagh.	Ballyvaughan and Abingdon Tramway.	Galway.	Tam and Roscommon Light Railway.
Cork.	Barrett, Keshlock, and Hexhampton.	Mayo.	Ferndale, Sarsfield, and Kilbenny Light Railway.
Down.	Carrigrohilly and Roscommon Light Railway.	"	Charlestown, Chesham, Ballinacree, and District Light Railway.
"	Lancaster and Carrigrohilly Tramway.	"	Ballinacree and Chesham Light Railway.
Dublin and Kildare.	Leixlip, Leixlip, and Clonsilla.	Wexford.	Oldcastle and Keshlock Tramway.
Galway.	Loughlin, Galway, and Dublin Light Railway.	Wexford and Queen's.	Kilbenny Wood and Ballyvaughan Tramway and Light Railway.
"	Loughlin District Light Railway.	Roscommon.	Roscommon Central Light Railway.
"	Galway, Oughterard, Clifton, Ballinacree, and Roscommon Light Railway.	Sligo.	Colsonay and Charlestown Light Railway.
Galway and Mayo.	Tam and Roscommon District Light Railway.	Tipperary.	Good's Cross and Oughter Light Railway.
"	Tam and Mayo Junction Light Railway.	Wexford.	County Wexford Light Railway (Wexford to Roscommon).
Galway.	Abingdon and Loughlin Light Railway.		

Of the entire number brought before the Grand Juries at the six assizes above referred to in accordance with the provisions of the 1st section of the Act of 1883, which enables promoters to propose that dividends may be guaranteed upon the paid-up

capital of the Company, thirty undertakings obtained the required baronial guarantee.

GUARANTEED UNDERTAKINGS at SUMMER ASSIZES, 1884, and SPRING and SUMMER ASSIZES, 1885.

County.	Name of Project	Mileage.	Promoters' Estimate of Cost.	Guaranteed Capital.	Rate Per Cent.	Period.
		M. F. C.	£ s. d.	£		
Aston,	Corribbeggs Harbour Junction, . . .	0 7 5	4,570 11 7	7,500	5	Indefinite.
Clon,	Kilrush and Kilkee, . . .	3 4 8	40,000 0 0	40,000	4	Perpetual.
Carb,	Ballinacorney and Tinselbegs, . . .	5 7 5	25,000 0 0	25,000	5	"
"	Cork and Macferry (Cork, Blarney, and Chubbuck), . . .	15 5 3	70,800 0 0	75,800	5	"
"	Keweenaw and Newmarket, . . .	8 5 9	60,000 0 0	60,000	5	"
"	Midleton and Clonbeg, . . .	8 3 5	35,800 0 0	35,000	5	"
"	Mitchelstown and Fermoy, . . .	12 8 0	60,800 0 0	60,000	5	"
"	Schull and Skibbereny, . . .	14 6 9	5,200 0 0	5,700	5	"
Dunegal,	West Dunegal, . . .	4 0 0	15,000 0 0	15,000	5	Not fixed.
Down,	County Down (Newtownards to Portadown), . . .	22 0 7	125,000 0 0	115,000	4	Unlimited.
Dublin, Kildare, and Wicklow,	Dublin and Blessington, . . .	20 0 7	40,000 0 0	47,000	5	Not fixed.
Galway,	Galway, Oughterard, Chelms, Ballinacorney, and Roscommon, . . .	54 0 5	300,000 0 0	300,000	5	"
"	Woodlawn and Mountbellew, . . .	3 4 5	35,300 0 0	35,300	4	"
Kerry,	Lisnord and Ballinacorney, . . .	42 4 0	60,800 0 0	60,000	5	No limit mentioned.
"	Tulla and Dingle, . . .	27 2 0	120,000 0 0	114,000	4	Perpetual.
Kilbenny,	Kilbenny and Clontarf, . . .	11 6 0	42,000 0 0	42,000	5	Not stated.
Queen's,	Clontarf and Clontarf Bridge, . . .	5 3 3	90,000 0 0	25,500	"	"
Kildare,	Clontarf Bridge and Aldy, . . .	14 5 6	41,300 0 0	15,000	5	"
Longford,	Grassington Junction, . . .	3 1 2	16,000 0 0	12,000	5	30 years.
Mays and Galway,	Tulla and Clontarf (No. 30), . . .	56 1 0	90,000 0 0	80,000	5	"
Mays,	Ballynora and Clontarf, . . .	12 2 0	70,000 0 0	10,000	5	Perpetual.
Queen's,	Ballynora and Clontarf, . . .	4 0 4	22,320 0 0	22,000	5	No period fixed.
Roscommon,	Roscommon Central (Roscommon to Sligo, Sligo, Sligo to Drogheda (No. 31)), . . .	25 2 4	120,000 0 0	115,000	4	21 years from date of opening.
Sligo and Mays,	Sligo and Ballynora, . . .	20 1 1	181,400 0 0	140,000	5	Unlimited.
Sligo,	Clontarf and Clontarf, . . .	25 2 4	120,000 0 0	120,000	5	"
"	Sligo and Drogheda, and Sligo and Drogheda (Wen of Ireland Tramway), . . .	29 5 0	105,000 0 0	70,000	4	20 years.
Tipperary,	Orwell's Cross and Clontarf, . . .	5 7 3	35,000 0 0	35,000	4	Perpetual.

The total mileage of guaranteed projects given above is 428 miles; the total cost, according to the promoters' estimate, is £1,884,816, and the guaranteed capital £1,672,032.

Our duty in connexion with the guaranteed undertakings is that prescribed by the 10th section, subsection 4, of the Tramways Act of 1883, which enacts that before any Order in Council is made authorizing the carrying out of a guaranteed project, we are required to furnish the Lord Lieutenant in Council with an estimate of the amount of paid-up capital which will be necessary for the purposes of the undertaking. The estimates having been examined and checked for that purpose, were submitted to the Privy Council at the hearing of applications for Orders authorizing the construction of any line of tramway or light railway, and the Engineers who checked those estimates attended at the hearing and were examined thereon. The following table shows the result of all the applications which have been made to the Privy Council under this Act, together with the valuation of guaranteeing areas, &c., &c. :—

## GUARANTEED UNDERTAKINGS before PRIVY COUNCIL.

(Notes.—The numbers affixed to these lines correspond with the numbers on map.)

Name of Project.	Proposed Estimate.	Revised Estimate.	Result of Application for Order.	Amount of Guarantee.	Guaranteeing Area.		
					County.	Beneficial.	Valuation.
	£ s. d.	£ s. d.		£ s. d.			£ s. d.
Carrollstown Harbour Junction Light Railway (No. 1).	7,500 0 0	7,500 0 0	Passed.	7,500 0 0	Astoria.	Co. of Town of Carrollstown.	25,807 6 9
Annagh and Keady Light Railway (No. 2).	47,600 0 0	55,000 0 0	Passed.	60,000 0 0	Annagh.	Trim, Upper Fews, and Lower Fews.	95,823 2 0
Cavan, Leitrim, and Roscommon Light Railway (No. 3).	241,000 0 0	214,000 0 0	Passed.	45,000 0 0	Cavan, Leitrim.	Parts of Longshes, Lower, Tullykean, Tullymore, Carrigrohane, and Leitrim and Mohill.	67,225 11 0
Kilmore and Kesh Light Railway (No. 4).	40,000 0 0	45,000 0 0	Passed.	48,000 0 0	Clerke.	Boynin.	31,377 0 0
West Clare Light Railway (No. 5).	175,500 0 0	178,000 0 0	Passed.	175,000 0 0	"	All Borelands.	305,729 5 0
Bellinacorney and Tinseltown Light Railway (No. 6).	25,900 0 0	31,000 0 0	Passed.	25,000 0 0	Cork.	Bane and Berrysoe, and E. Curlew, E. D. part.	45,074 4 0
Cork, Cusack, and Skerrey Light Railway (No. 7).	80,000 0 0	75,100 0 0	Passed.	70,000 0 0	"	Parts of E. Mallow, Cork, and Donagh.	53,000 12 0
Kesh and Newmarket Light Railway (No. 8).	60,000 0 0	55,270 0 0	Refused.	—	"	—	—
Milltown and Glynn Light Railway (No. 9).	55,000 0 0	40,200 0 0	Refused.	—	"	—	—
Malinbeg and Fermanagh Light Railway (No. 10).	60,000 0 0	65,000 0 0	Passed.	60,000 0 0	"	Crossin and Cloughmole, and Fermanagh parts.	70,048 15 0
Shillburne and Skibbereen Light Railway (No. 11).	55,000 0 0	61,000 0 0	Passed.	55,000 0 0	"	West Corkery, W. D. and E. D.	51,051 15 0
Carborough and Bannock Light Railway (No. 12).	74,251 6 0	110,400 0 0	Refused.	—	Donegal.	—	—
Glenties, Kesh, and St. John's Townships (No. 13).	31,000 0 0	33,351 0 0	Refused.	—	"	—	—
West Down Light Railway (No. 14).	18,300 0 0	18,725 12 8	Passed.	18,000 0 0	"	Parts of Tyrone and Donagh.	36,138 4 0
Newtownards and Portadown.	125,000 0 0	112,500 0 0	Refused.	115,000 0 0	Down.	—	—
Drish and Bannock Steam Tramway (No. 15).	64,271 7 4	62,600 0 0	Passed.	48,000 0 0	Dublin and Wicklow.	Parts of Rathdown, Upper-cree, Newry, and Rathfriland.	50,000 12 0
Clough Valley Tramway (No. 16).	120,205 2 7	140,000 0 0	Passed.	125,000 0 0	Fermanagh and Tyrone.	Parts of Mochterstown, Tyrone, Lower-cree, and Clough.	68,570 2 0
Galway, Oughterdown, Clifden, Ballinacorney, and Roscommon Light Railways and Tramways (No. 17).	305,000 0 0	305,450 0 0	Refused.	—	Galway.	—	—
Woolton and Mount Belvoir Tramway (No. 18).	33,222 14 3	33,000 0 0	Passed.	33,200 0 0	"	Parts of Ballinacorney, Clifden, and Roscommon.	42,034 15 0
Lisnavea and Ballyvaughan Tramway (No. 19).	60,000 0 0	61,150 0 0	Refused.	—	Kerry.	—	—
Trillick and Dingle Light Railway (No. 20).	128,800 0 0	128,450 0 0	Passed.	128,800 0 0	"	Corkinney, Glenties, and Upper-cree parts, and Union Railway District of Trillick.	148,017 25 0
Wexham Light Railway (No. 21).	130,150 0 0	145,000 0 0	Passed.	115,000 0 0	"	French.	18,805 0 0
Albury and Epsom Tramway (No. 22).	51,015 0 0	10,200 0 0	Refused.	—	Kerry and Limerick.	—	—
Cadnam and Ady (No. 23).	61,875 0 0	63,275 0 0	Refused.	—	Kilkenny, Queen's, and Kildare.	—	—
Ady and Gortgort Bridge (No. 24).	55,617 0 0	—					
Tillicree and Cadnam (No. 25).	42,600 12 5	48,900 0 0					
Cadnam and Gortgort Bridge Tramway and Light Railway (No. 26).	26,557 12 10	30,300 0 0					
Grand Junction Light Railway (No. 27).	13,002 0 0	17,400 0 0	Refused.	—	Leitrim.	—	—
Oldcastle and Kildare Light Railway (No. 28).	45,000 0 0	57,000 0 0	Refused.	—	Meath.	—	—



TABLE—continued.

Name of Project	Promoter's Estimate	Board's Estimate	Result of Application for Order	Amount of Guarantee	Guaranteeing Area		
					County	Revenue.	Valuation
	£ s d	£ s d		£ s d			£ s d
Belfast and Rathfriland Tramway and Light Railway (No. 29)	22,022 0 0	22,801 0 0	Refused.	—	Queen's,	—	—
Barrington, Central Light Railway (Stricklandstown to Rossmore)	75,083 0 0	17,808 0 0	Refused.	72,080 0 0	Rossmore and Lestrin, Wigan,	—	—
Colinvaux and Christchurch Light Railway (No. 30)	125,480 0 0	125,480 0 0	Refused.	—	—	—	—
Silke and Belfast Light Railway (No. 31)	140,000 0 0	120,000 0 0	Refused.	—	—	—	—
Sligo, Donaghadee, and Ramsey Point Tramways (No. 32)	87,002 15 4	50,025 12 0	Refused.	—	—	—	—
Gold's Cross and Cahel Light Railway (No. 33)	55,022 15 4	29,800 0 0	Refused.	—	Tipperary.	—	—
Shillagh and Newry Light Railway (No. 34)	44,878 0 0	41,700 0 0	Passed.	42,000 0 0	Wicklow, Wicklow, and Carlow, Wicklow,	Shillagh, Rossmore, and parts of St. Mullins Upper, and North Rossmore,	85,704 0 0
Newry Light Railway (No. 35)	34,677 0 0	40,000 0 0	Passed.	34,000 0 0	—	—	50,025 0 0

The guaranteed capital of the seventeen cases which have passed the Council amounts to £1,314,000; and the total valuation of the guaranteeing area amounts to £1,323,541 18s.

Having been called upon to make enquiry previous to Order in Council being sought in three cases in which no guarantee was required, our reports were made to the Promoters: these cases were the North Howard-street and Second-street, the Sydenham District, and the Belfast and Ligoniel Street Tramways, all in Belfast.

#### RECEIVER ACCOUNTS FOR LOANS.

The Board deemed it necessary to exercise their right as first Mortgagees, and they took possession of the Revenues of the Southern Railway and of the Galway Harbour Commissioners. The railway being in lease to the Waterford and Limerick Railway Company under a working agreement, the Board is in some measure relieved from the consequences arising from the taking of possession of an undertaking of that nature, and the result of taking possession places the Board in priority with the Company, which is liable to pay the rent under the working agreement, and has saved from the expenditure a considerable sum which was previously absorbed by the management. The Galway Harbour Dues are also by the taking of possession secured for the benefit of the public in exercise of the Board's rights as Mortgagees.

We have the honour to be

Your Lordships' obedient Servants,

R. H. SANKEY.

W. R. LE FANU.

S. U. ROBERTS.

*Commissioners of Public Works  
in Ireland.*

W. B. SQAID, *Secretary.*

*Office of Public Works, Dublin,*

31st May, 1886.



# MAP OF IRELAND

TO ACCOMPANY THE ANNUAL REPORT OF THE BOARD OF PUBLIC WORKS, IRELAND  
1890-1891  
**LIGHT RAILWAYS AND TRAMWAYS AND FISHERY PIERES AND HARBOURS**

## LEGEND

### LIGHT RAILWAYS AND TRAMWAYS

(See also p. 10, 11, 12, 13, 14, 15)

Lines proposed by Board of Works

Lines on which Orders in Council have been issued

Lines on which Orders in Council have been issued

Lines on which Orders in Council have been issued  
 (See also the Board of Works and the Board of Public Works)

### FISHERY PIERES AND HARBOURS

Works proposed by the Board of Works

Works on which Orders in Council have been issued

Works on which Orders in Council have been issued

Works on which Orders in Council have been issued

Works on which Orders in Council have been issued

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Works on which Orders in Council have been issued



## APPENDIX.

## APPENDIX A.—

(A.)—ABSTRACT of the ACCOUNTS of the COMMISSIONERS of PUBLIC WORKS in IRELAND, showing the Total of

Maintained in Account.	Page.	HEADS OF ACCOUNT.	Balance on 31st March, 1885.	Received.
			£ s. d.	£ s. d.
A 1	39	Parliamentary Votes and Grants, viz.— 1. Public Buildings, Royal Harbour, &c., 2. Royal University, Ireland, 3. Museum of Science and Art, 4. Shannon Floods Regulation, 5. Office of Public Works, 6. Encroachments—Rural Receipts, 7. Land Law Commission—Church Property Department,	13,564 13 2	333,201 14 11
A 2	44	Loans Advances, . . . . .	19,158 8 6	702,307 12 7
A 3	46	Loans Repayments, . . . . .	—	227,533 15 6
A 4	46	Land Improvement Preliminaries, 10 Vic., c. 32, . . . . .	294 13 11	1,882 7 0
A 5	48	District Lunatic Asylums, . . . . .	1,768 9 11	21,030 0 0
A 6	48	Sea Fisheries, Ireland, 46 & 47 Vic., c. 26, . . . . .	1,571 5 0	64,768 10 2
A 7	59	Miscellaneous Services, viz.— 1. Deposit Accounts, 1 & 2 Wm. IV., c. 35, &c., 2. Railway and other Arbitrations, 14 & 15 Vic., c. 79, 3. Arterial Drainage Deposits, 26 & 27 Vic., c. 86, &c., 4. Piers and Harbours, Works, 9 Vic., c. 3, &c., 5. Piers, &c., Maintenance, 6. Inland Navigation—Shannon, Boycs, 7. Arterial Drainage and Navigation Maintenance, 29 & 30 Vic., c. 46, 8. Naval Dockyards, 22 & 23 Vic., c. 42, 9. Irish Reproductive Loan Fund, 37 & 38 Vic., c. 86, 10. Sea and Coast Fisheries Loan Fund, 11. Linen Hall, 12. Ardglass Harbour Works, 13. Ardglass Harbour Maintenance, 14. Kinade Harbour, 15. Arklow Harbour Works, 16. " Maintenance, 17. Youghal Bridge, 18. Liscumb Bridge, 19. Clare Castle Pier, 20. Clare Slab Reclamation, 21. Emigration Grants, 22. Relief of Distressed Unions, 23. Galway Harbour, 24. Southern Railway, 25. Sandy Accounts,	5,630 17 0	87,050 11 9
		Total, . . . . .	40,803 5 6	1,757,964 14 11
A 8	58	Statement of Final Awards under Arterial Drainage Act, 26 & 27 Vic., c. 86, with Repayments thereon, to the 31st March, 1886.		
B	60	Statement of Loans—amount advanced, repaid and resulted in each year from 1817 to 1885.		

Office of Public Works, Dublin, 1st May, 1886.

## ACCOUNTS.

Sums intrusted to their Management for Collection or Disbursement for One Year, ended on 31st March, 1886.

Balance overdrawn, 31st March, 1885.	TOTAL.	Overdrawn Balance from Accounts in 31st March, 1885.	Total.	Balance on 31st March, 1886.	TOTAL.
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
—	365,376 8 1	—	342,668 11 0	24,282 17 1	365,376 8 1
—	721,445 2 1	—	721,427 8 6	18 18 7	721,445 2 1
—	527,533 15 5	—	527,533 15 5	—	527,533 15 5
—	2,067 0 11	—	1,739 13 1	337 7 10	2,067 0 11
—	22,613 9 11	—	22,668 7 9	120 2 2	22,613 9 11
—	65,839 15 8	—	61,365 1 9	4,473 13 6	65,839 15 8
—	92,081 8 9	—	92,474 5 9	9,697 3 0	92,081 8 9
—	1,728,708 0 5	—	1,729,918 8 3	22,869 17 2	1,728,708 0 5

Geo. PIERCE, Accountant.  
F 2





of Public Works in the Year ended 31st March, 1886.

## VOTES AND GRANTS.

EXPENDITURE.	£	s.	d.	£	s.	d.	£	s.	d.
Balance on Parliamentary Votes, 1884-85, surrendered to H.M. Exchequer, viz.:-									
Public Buildings, . . . . .	—			3,643	19	1			
Royal University, . . . . .	—			4,938	12	3			
Museum of Science and Art, . . . . .	—			2,612	5	11			
Office of Public Works, . . . . .	—			1,944	3	10			
							12,739	1	1
1. PUBLIC BUILDINGS.									
PURCHASE OF SITING:—									
Premises taken for Royal Irish Constabulary, . . . . .	412	6	11						
“ “ Queen's College, Cork, . . . . .	40	0	0						
				452	6	11			
NEW WORKS AND ALTERATIONS:—									
Royal Hibernian Military School, . . . . .			88	10	9				
Coast Guard Buildings, . . . . .			11,404	18	3				
State and Official Residences, . . . . .			5,273	0	2				
Metropolitan Police Buildings, . . . . .			141	12	1				
Constabulary Buildings, . . . . .			4,355	11	5				
Dundrum Criminal Lunatic Asylum, . . . . .			1,057	9	8				
Botanic Gardens, Glasnevin, . . . . .			103	0	1				
National Education Buildings:—									
Metropolitan Buildings, . . . . .		£	s.	d.					
Albert Model Farm, . . . . .		899	10	4					
District and Minor Model Schools, . . . . .		57	7	0					
Ordinary Literary Schools, . . . . .		312	4	3					
Teachers' Residences, . . . . .		29,125	8	5					
		590	0	0					
					29,544	12	0		
Post Office Buildings, . . . . .					17,235	5	10		
Kingsdown Harbour, . . . . .					2,388	18	4		
Ardglass Harbour, 39 & 40 Vic., c. 235, and Special Grants, . . . . .					1,066	4	9		
Kinnale Harbour, 43 & 44 Vic., c. 174, . . . . .					3,000	0	0		
Arklow Harbour, 45 Vic., c. 31, . . . . .					5,500	0	0		
Fishery Pier, . . . . .					232	13	0		
Lough Erne Navigation. Grant in Aid, 39 & 40 Vic., c. 237, . . . . .					3,000	0	0		
Hind River Drainage. Work at Outlet of District, . . . . .					198	12	0		
							80,189	17	4
Carried forward, . . . . .					—		80,642	4	3
							12,739	1	1



of Public Works in the Year ended 31st March, 1886.

## VOTES AND GRANTS—continued.

continued.		Brought forward,		Public Works—continued.		4,390,642 4 3		12,780 1 1	
Milestones, Drapery, Fittings, &c., by Services of the Board of Works.		Furniture, Fittings, &c.		Rent and Insurance		Fuel, Light, Water, &c.		Total.	
Year	Milestones &c.	Year	Furniture, Fittings, &c.	Year	Rent and Insurance	Year	Fuel, Light, Water, &c.	Year	Total.
1	494 1 5	2	2 11 7	1	436 18 7	1	895 11 3	1	4,684 17 6
2	196 15 5	3	0 5 3	2	439 14 10	2	1,295 18 5	2	3,395 18 6
3	35 12 8	4	0 13 9	3	32 16 4	3	75 3 0	3	811 17 11
4	0 13 9	5	0 13 9	4	169 43 2	4	—	4	4,290 18 11
5	361 2 5	6	—	5	102 1 11	5	438 59 8	5	1,323 13 5
6	1,035 15 7	7	31 7 5	6	1,305 3 9	6	440 5 0	6	3,119 8 6
7	19 16 9	8	—	7	54 2 8	7	2 0 8	7	615 4 2
8	1,042 5 10	9	36 4 2	8	710 26 11	8	803 10 5	8	4,088 3 11
9	63 1 1	10	—	9	114 1 11	9	97 2 9	9	380 9 11
10	537 6 3	11	0 15 0	10	64 15 1	10	154 7 5	10	1,888 6 8
11	385 7 4	12	—	11	204 29 1	11	167 7 11	11	1,135 12 6
12	35 11 2	13	—	12	190 17 10	12	868 9 3	12	1,998 1 7
13	3 1 0	14	—	13	6 12 8	13	6 11 0	13	25 3 0
14	4 30 7	15	—	14	99 5 7	14	23 13 10	14	336 5 8
15	32 4 8	16	—	15	15 18 11	15	40 15 6	15	157 4 5
16	27 11 4	17	—	16	45 4 9	16	113 19 10	16	496 12 8
17	0 16 0	18	—	17	8 5 4	17	220 15 4	17	203 16 3
18	0 12 0	19	—	18	40 18 8	18	14 8 6	18	230 6 11
19	1 4 8	20	—	19	12 0 0	19	83 18 10	19	139 8 2
20	42 7 5	21	0 19 4	20	118 17 9	20	154 0 9	20	517 17 9
21	535 3 3	22	0 8 3	21	428 11 4	21	124 5 1	21	1,496 9 1
22	25 2 5	23	—	22	66 7 1	22	134 8 9	22	340 9 7
23	24 13 0	24	0 5 11	23	111 10 11	23	139 8 3	23	375 7 3
24	80 0 7	25	0 5 3	24	64 16 11	24	91 5 2	24	528 11 10
25	331 15 5	26	1 3 1	25	434 1 7	25	332 19 10	25	2,347 0 4
26	29 11 5	27	—	26	50 10 8	26	19 16 7	26	315 4 0
27	0 3 0	28	—	27	1 11 5	27	20 14 1	27	28 9 10
28	39 4 0	29	1 9 4	28	51 1 0	28	30 2 9	28	364 9 1
29	368 6 3	30	1 5 11	29	60 11 8	29	156 16 1	29	1,158 18 4
30	—	31	—	30	1 4 6	30	4 1 1	30	5 12 9
31	338 19 4	32	0 4 9	31	468 3 2	31	275 12 11	31	1,266 17 2
32	12 4 6	33	0 0 10	32	63 5 1	32	180 17 11	32	332 19 3
33	453 11 3	34	2 5 7	33	1,368 18 1	33	1,151 4 7	33	9,317 16 8
34	47 1 2	35	0 7 0	34	142 4 6	34	321 0 1	34	670 8 6
35	649 1 7	36	118 17 1	35	428 19 3	35	1,580 5 2	35	5,618 15 0
36	65 3 8	37	17 12 1	36	120 1 5	36	—	36	3,089 9 10
37	9 5 0	38	—	37	60 0 8	37	46 8 10	37	156 19 5
38	—	39	—	38	3 18 4	38	9 14 8	38	6 12 10
39	395 14 3	40	11 0 8	39	726 11 7	39	862 7 11	39	2,297 18 4
40	288 9 6	41	—	40	367 15 5	40	1,011 13 6	40	3,138 1 10
41	134 3 8	42	5 10 3	41	65 0 2	41	4,694 14 5	41	1,625 11 5
42	19 9 8	43	—	42	57 14 6	42	275 16 1	42	746 18 9
43	5 10 7	44	—	43	8 18 6	43	37 9 8	43	157 17 8
44	320 5 0	45	0 1 11	44	1,084 11 0	44	225 12 1	44	5,968 18 5
45	148 3 5	46	7 18 8	45	388 9 8	45	325 19 1	45	1,944 11 6
46	242 12 11	47	26 16 8	46	374 15 5	46	1,834 3 10	46	4,162 8 10
47	—	48	—	47	—	47	—	47	3,286 11 7
48	—	49	—	48	9 11 3	48	58 11 7	48	157 15 6
49	1 9 0	50	—	49	263 11 5	49	5 8 0	49	20 15 8
50	17 2 8	51	—	50	29 6 5	50	74 18 6	50	200 4 0
51	7 4 8	52	—	51	154 0 5	51	2 5 0	51	1,062 19 0
52	508 12 9	53	316 6 7	52	48 0 3	52	39 0 0	52	339 3 2
53	367 8 0	54	29 1 0	53	22 3 11	53	—	53	461 16 8
54	346 11 0	55	17 11 8	54	54 5 0	54	108 17 4	54	328 5 7
55	14 8 11	56	—	55	342 17 9	55	4,325 2 0	55	6,790 10 6
56	306 6 11	57	29 0 10	56	246 15 9	56	2,107 13 7	56	4,025 14 4
57	216 9 10	58	3 0 1	57	1,403 16 0	57	1,325 9 8	57	6,429 1 7
58	354 14 6	59	8 19 7	58	1,359 1 4	58	97 8 0	58	3,541 6 8
59	188 18 1	60	8 0 2	59	—	59	9 10 1	59	1,000 1 1
60	—	61	—	60	—	60	—	60	—
61	5,269 14 11	62	17 15 2	61	92 15 3	61	100 0 0	61	7,297 17 2
62	941 7 8	63	0 14 1	62	11 17 3	62	—	62	1,531 8 5
63	360 18 0	64	—	63	—	63	9 8 10	63	630 17 5
64	6,001 2 6	65	1,777 8 8	64	50 7 8	64	289 0 9	64	11,960 19 11
65	1,443 8 8	66	767 12 5	65	22 16 7	65	5 1 2	65	2,536 15 0
66	487 18 5	67	120 3 11	66	—	66	—	66	618 14 6
67	366 0 11	68	55 1 8	67	0 5 0	67	0 8 10	67	437 19 3
68	364 1 3	69	20 10 9	68	—	68	5 12 4	68	409 6 0
69	23 7 6	70	—	69	—	69	—	69	51 7 5
70	1,015 9 0	71	20 11 5	70	—	70	—	70	1,005 1 7
71	323 0 4	72	—	71	—	71	—	71	271 4 3
72	88 18 10	73	6 2 0	72	—	72	—	72	471 1 10
73	30 17 0	74	—	73	0 18 6	73	—	73	31 19 10
74	—	75	—	74	—	74	—	74	115 16 4
75	3 19 0	76	—	75	38 6 0	75	151 1 3	75	148 7 4
76	—	77	—	76	—	76	—	76	65 16 11
77	—	78	—	77	—	77	—	77	524 8 10
38,772 18 8		8,512 9 1		15,099 10 8		10,398 9 5		80,908 16 10	
								331 672 12 3	

Carried forward,

316,933 16 6

22,229 1 1

AN ACCOUNT showing the RECEIPT and EXPENDITURE of the COMMISSIONERS

(A 1.)—PARLIAMENTARY

RECEIPTS—continued.		£	s.	d.	£	s.	d.	£	s.	d.
Brought forward,		—	—	—	—	—	—	286,575	16	5
Contributions to National Schools,		—	—	—	—	—	—	—	—	—
<b>2. ROYAL UNIVERSITY, IRLAND:—</b>										
Amount of Vote for Building, &c.,		—	—	—	14,428	0	0			
" " Purchasing,		—	—	—	13,900	0	0	27,428	0	0
<b>3. DUBLIN MUSEUM OF SCIENCE AND ART:—</b>										
Site and Preparations for Building—Vote,		—	—	—	—	—	—	31,000	0	0
<b>4. SHANNON FLOODS REGULATION :—</b>										
<b>5. OFFICE OF PUBLIC WORKS (CLASS II.) :—</b>										
Vote for the year 1885-86,		—	—	—	55,111	0	0			
Low Cuts and Stumps recovered,		—	—	—	147	7	5			
Trawlers and Re-Lodgements,		—	—	—	129	9	8	55,387	17	1
<b>6. EXCHANGES—EXTRA RECEIPTS :—</b>										
Public Soil Mills :—										
Rents,		4,278	8	5						
Sale of Old Stores, Materials, &c.,		1,192	7	6						
Phoenix Park :—								5,470	15	11
Rents for Grazing, &c.,		925	7	8						
Sales of Deer, &c.,		58	15	8						
Kingsdown Harbour :—								984	4	0
Dues,		1,477	1	6						
Rents,		341	5	7						
Sales,		1	16	0						
Water supplied to Shipping,		72	7	6						
Hire of Gangway planks, Cranes, &c.,		25	15	0						
Boat Licences,		26	6	10				1,945	12	5
Howth Harbour :—										
Rents,		208	15	2						
Sales,		0	13	0						
Dues,		132	18	6				342	8	8
Droghda Harbour :—										
Rents,		14	8	0						
Refund,		1	11	1				15	19	1
Dunmore Harbour :—										
Rents,		22	10	8						
Dues,		35	8	0				55	14	1
Tyrone Navigation :—										
Tolls,		232	15	5						
Rents,		47	18	5				281	11	10
Malgate Navigation :—								8	16	4
Tolls,		—								
Ulster Canal :—										
Tolls,		85	15	0						
Rents and Sales,		120	17	10				266	12	10
Science and Art Museum :—								60	7	6
Fruit, &c.,		—						5,793	11	11
Salaries, &c.,		—						15,064	14	7
<b>7. LAND LAW COMMISSIONS—CHIEF PROPERTY DEPARTMENT :—</b>										
From Land Law Commissions to meet expenditure,		—			—			500	0	0
								366,976	8	1

*Office of Public Works, Dublin, 1st May, 1886.*

of PUBLIC WORKS in the Year ended 31st March, 1886.

## VOTES AND GRANTS—continued.

EXPENDITURE—continued.	£	s.	d.	£	s.	d.	£	s.	d.
Brought forward, . . . . .	—			215,812	16	6	12,739	1	1
Visit of H.R.H. the Prince of Wales, . . . . .	—			2,142	7	3			
Contributions to National Schools, . . . . .	—			—			220,455	4	3
3. ROYAL UNIVERSITY, IRELAND :—							163	6	8
Buildings, &c., . . . . .	—			15,847	6	4			
Furnishing, . . . . .	—			3,139	6	5			
							18,986	12	9
4. DUBLIN MUSEUM OF SCIENCE AND ART :—									
Commencement of Building, &c., . . . . .	—			19,724	15	2			
Visit of H.R.H. the Prince of Wales—Laying Foundation Stone, . . . . .	—			915	4	6			
							20,639	19	8
5. SHANNON FLOODS REGULATION :—									
Surplus surrendered to H.M. Paymaster-General, . . . . .	—			—			2	12	0
6. OFFICE OF PUBLIC WORKS (CLASS II.) :—									
Salaries, . . . . .	—			50,058	9	2			
Travelling Expenses, . . . . .	—			3,094	8	2			
Fees to Counsel, . . . . .	—			521	10	2			
Incidental Expenses, . . . . .	—			432	15	3			
Land Improvement and Land Law Act, Salaries, &c., . . . . .	—			19,584	2	1			
							53,721	4	10
6. EXCHANGES—EXTRA RESOURCES :—									
Public Buildings :—									
Taxes refunded, &c., . . . . .	41	19	9						
Veterinary Inspection, Phoenix Park, . . . . .	30	0	0						
Rebate on Rents for Grazing, Phoenix Park, . . . . .	180	14	6						
Kingsdown Harbour :—							292	14	3
Ballias for Shipping, . . . . .	443	18	3						
Dublin Port and Docks Board, . . . . .	1	11	0						
Howth Harbour :—							444	9	3
Rates, &c., . . . . .	—						2	15	3
Salaries, &c., :—									
Deposits refunded, &c., Land Law Act, sec. 31, &c., . . . . .	—						138	19	0
Transferred to H. M. Exchange, . . . . .	—			14,425	19	8			
							15,404	17	5
7. LAND LAW COMMISSION—CROWN PROPERTIES DEPARTMENT :—									
Alterations, Furniture, Rent, &c., . . . . .	—			—			620	12	4
							342,693	11	0
Balance, . . . . .	—			—			24,282	17	1
							366,975	6	1

GEO. FERRIS, Accountant.

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(A 2).—An Account showing the Receipts and Expenditure of the Commissioners

## PUBLIC LOAN

	£	s.	d.	£	s.	d.
To Balance, 31st March, 1885, . . . . .	—			19,138	6	6
„ Public Works Loans:—						
Vote of Credit 1884-85, £1,200,000, . . . . .	250,000	0	0			
„ 1885-86, £1,500,000, . . . . .	450,000	0	0			
				700,000	0	0
„ Land Act, 53 & 54 Vic., c. 46:—						
Amount issued from Consolidated Fund, . . . . .	—			—		
„ Church Fund Loans:—						
Received from Irish Land Commissioners, . . . . .	—			2,307	15	7
				731,466	2	1

Office of Public Works, Dublin, 1st May, 1886.

of Public Works in the Year ended 31st March, 1886.

## ADVANCES.

	£	s.	d.	£	s.	d.
By Public Works Loans,						
Amount advanced on Loans, viz :—						
Grand Jurors of Counties, . . . . .	7,319	18	2			
Local Boards, . . . . .	21,324	0	0			
Roads and Bridges, . . . . .	100	0	0			
Island Navigators, . . . . .	17,947	6	2			
Public Buildings, . . . . .	1,400	0	0			
Railways, . . . . .	25,592	13	4			
Harbours, Docks, &c., . . . . .	24,500	0	0			
Fishery Piers, . . . . .	265	10	9			
Reclamation of Waste Lands, . . . . .	18,651	0	0			
Labourers' Dwellings in Towns, 29 & 30 Vic., c. 44, . . . . .	19,153	10	0			
Glebe Loans, 33 & 34 Vic., c. 112, . . . . .	18,715	0	0			
Public Health, 37 & 38 Vic., c. 93, . . . . .	153,900	12	10			
Drainage Maintenance, 29 & 30 Vic., c. 43, &c., . . . . .	1,378	6	3			
District Drainage Boards, 26 & 27 Vic., c. 88, . . . . .	50,110	0	0			
Poor Roads for Repairs, 3 & 7 Wm. IV., c. 116, . . . . .	294	7	0			
Land Improvement Preliminary Expenses, . . . . .	1,000	0	0			
Repairs of Fishery Piers, . . . . .	117	9	0			
Lanatic Asylums Buildings, 1 & 2 Geo. IV., c. 33, . . . . .	21,020	0	0			
Labourers' Acts, . . . . .	106,114	13	10			
Housing of the Working Classes, . . . . .	12,400	0	0			
Land Improvement, 10 Vic., c. 32, &c., . . . . .	76,929	15	4			
National School Teachers' Residences, . . . . .	8,324	0	0			
Dispensary Houses, . . . . .	7,733	0	0			
Non-Vested Schools and Training Colleges, . . . . .	2,700	0	0			
Land Law, 44 & 45 Vic., c. 43, s. 31, . . . . .	115,643	0	0			
				718,372	18	10
Land Act, 34 & 34 Vic., c. 45—Advances on Loan, . . . . .	—			—		
Church Fund Loans :—						
Land Improvement, . . . . .	2,748	19	8			
Parochial Presentments, . . . . .	103	10	0			
				2,851	9	8
				721,427	8	4
Balance unissued, . . . . .	—			18	13	7
				721,446	2	1

Geo. PIERCE, Accountant.  
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(A 3).—AN ACCOUNT showing the RECEIPTS and EXPENDITURE of the COMMISSIONERS

PUBLIC LOANS

	Repayments.			Totals		
	£	s.	d.	£	s.	d.
<b>To Public Works Loans:—</b>						
Amounts received in repayment:—						
Grand Jurors of Counties, . . . . .	16,308	12	3			
Local Boards, . . . . .	5,975	19	8			
Roads and Bridges, . . . . .	11,512	16	10			
Inland Navigations, . . . . .	2,694	16	4			
Public Buildings, . . . . .	862	18	3			
Railways, . . . . .	29,422	8	9			
Quarries, Mines, and Miscellaneous, . . . . .	69	1	6			
Harbours, Docks, &c., . . . . .	12,749	14	3			
Fishery Piers and Harbours, . . . . .	804	6	1			
Reclamation of Waste Lands, . . . . .	12,000	0	0			
Labourers' Dwellings in Towns, . . . . .	10,465	5	0			
Artisans' Dwellings, . . . . .	4,667	10	4			
Globe Loans, . . . . .	19,880	14	2			
Public Health, . . . . .	77,951	12	1			
River Drainage and Navigation, 5 & 6 Vic., c. 82, . . . . .	3,216	15	3			
River Drainage Maintenance, 29 & 30 Vic., c. 42, &c., . . . . .	3,557	13	2			
District Drainage Boards, 26 & 27 Vic., c. 88, . . . . .	22,813	0	6			
Loans per Act 57 Geo. III., c. 34, . . . . .	180	0	0			
Post Roads, Begotrs, . . . . .	846	15	0			
Land Improvement Preliminary Expenses, . . . . .	897	14	10			
Repairs of Fishery Piers, . . . . .	1,768	11	2			
Gaols and Bridewells, . . . . .	430	0	0			
Lunatic Asylum Buildings, . . . . .	54,639	16	2			
Building Schools, . . . . .	24	14	0			
Relief of Distress, . . . . .	538	8	1			
Seed Supply, . . . . .	40,136	19	8			
Emigration, . . . . .	1,256	4	3			
Labourers' Acts, . . . . .	641	9	4			
Land Improvement Loans, . . . . .	107,651	13	8			
National School Teachers' Residences, . . . . .	2,122	4	10			
Dispensary Houses, . . . . .	1,312	1	3			
Non-Vented Schools and Training Colleges, . . . . .	7	18	7			
Land Law, 44 & 45 Vic., c. 49, s. 31, . . . . .	22,695	17	9			
				443,405	0	6
Land Act Loans, 33 & 34 Vic., c. 45, . . . . .	—			37,099	3	5
<b>Chancel Fund Loans:—</b>						
Land Improvement, . . . . .	25,417	12	5			
Sanitary, . . . . .	1,439	15	6			
Harbour Works, . . . . .	19,271	1	10			
Relief of Distress, . . . . .	900	18	6			
Arterial Drainage, . . . . .	69	3	4			
				47,088	11	6
				527,533	15	5

Office of Public Works, Dublin, 1st May, 1886.

## (A 4).—LAND IMPROVEMENT

RECEIPTS.	£ s. d.			£ s. d.		
Balance from last Account, . . . . .	—			214	13	11
Amount received from H.M. Excise by way of Loan, . . . . .	1,000	0	0			
„ „ from Proprietors in Repayment of Preliminary Expenses, . . . . .	882	7	0			
				1,882	7	0
				2,097	0	11

Office of Public Works, Dublin, 1st May, 1886.



of PUBLIC WORKS, in the year ended 31st March, 1886.

## REPAYMENTS.

	£	s.	d.	£	s.	d.
By transfers to H.M. Exchequer, . . . . .	—			463,405	0	6
By transfers to H. M. Exchequer, . . . . .	—			37,640	3	5
By transfers to Irish Land Commissioners, . . . . .	—			47,088	11	6
				527,533	15	5

Geo. PIERCE, Accountant.

## PRELIMINARIES, 1885-86.

EXPENDITURE.	£	s.	d.	£	s.	d.
Amount paid to Exchequer in Repayment of Advances, . . . . .	387	14	10			
" paid for Preliminary Investigations, Advertising, Scrivensary, &c., . . . . .	861	18	3			
Balance carried to next Account, . . . . .	—			1,739	13	1
				337	7	10
				2,097	0	11

Geo. PIERCE, Accountant.

## (A 5).—LUNATIC

AN ACCOUNT showing the RECEIPTS and EXPENDITURE by the COMMISSIONERS of PUBLIC WORKS, IRELAND, (on 1886, pursuant to Act 1 & 2

RECEIPTS.	£	s.	d.	£	s.	d.	£	s.	d.
Balance from last Account,	—	—	—	—	—	—	1,763	9	11
Amounts received from the Public Works Loan Fund on account of Loans to the following District Asylums, viz:—									
Armagh, . . . . .	—	—	—	1,600	0	0			
Londonderry, . . . . .	—	—	—	2,000	0	0			
Glenties, . . . . .	—	—	—	400	0	0			
Cork, . . . . .	—	—	—	1,000	0	0			
Cavan, . . . . .	—	—	—	80	0	0			
Maryborough, . . . . .	—	—	—	—	—	—			
Ballinasloe, . . . . .	—	—	—	700	0	0			
Kilbarney, . . . . .	—	—	—	800	0	0			
Bellfast, . . . . .	—	—	—	4,600	0	0			
Banisecorby, . . . . .	—	—	—	2,500	0	0			
Ennis, . . . . .	—	—	—	1,500	0	0			
Mullingar, . . . . .	—	—	—	2,500	0	0			
Letterkenny, . . . . .	—	—	—	1,500	0	0			
Monaghan, . . . . .	—	—	—	1,500	0	0			
							21,600	0	0
							23,813	9	11

Office of Public Works, Dublin, 1st May, 1886.

## (A 6).—SEA FISHERIES

AN ACCOUNT showing the RECEIPTS and EXPENDITURE by the COMMISSIONERS of PUBLIC WORKS.

RECEIPTS.	£	s.	d.	£	s.	d.	£	s.	d.
Balance from last Account,	—	—	—	—	—	—	1,071	5	0
Amount received from the Land Law Commissioners on account of Grant of £250,000,	—	—	—	50,000	0	0			
Amounts received as contributions in aid of the following Works—									
Ballyeaston Harbour, . . . . .	1,300	0	0						
Georgetown Pier, . . . . .	500	0	0						
Clapham Head Breakwater, . . . . .	250	0	0						
Union Hall Pier, . . . . .	1,150	0	0						
Kilkee Boat Slip, . . . . .	140	0	0						
Poumoge West Harbour, . . . . .	1,065	0	0						
Ballyshannon Pier, . . . . .	300	0	0						
Seafield Pier—Refused, . . . . .	—	—	—	4,755	0	0	13	10	3
							64,768	10	3
Carried forward,							65,839	15	3

## ASYLUMS BUILDINGS.

Account of the Commissioners for the Control, &c., of Lunatic Asylums, during the year ended 31st March, Geo. IV., c. 33, &c., &c.

EXPENDITURE.	£	s.	d.	£	s.	d.	£	s.	d.
Amounts expended on the following District Asylums, viz:—									
Armagh, . . . . .	—			1,733	9	6			
Londonderry, . . . . .	—			1,817	16	7			
Clonmel, . . . . .	—			346	1	6			
Cork, . . . . .	—			1,300	17	9			
Down, . . . . .	—			57	3	0			
Maryborough, . . . . .	—			69	17	6			
Ballinacree, . . . . .	—			927	2	6			
Killmorey, . . . . .	—			1,274	12	3			
Belfast, . . . . .	—			4,130	3	1			
Berkeleys, . . . . .	—			3,891	2	6			
Ennis, . . . . .	—			1,394	4	8			
Mullingar, . . . . .	—			2,803	7	2			
Letcherbury, . . . . .	—			1,602	9	2			
Monaghan, . . . . .	—			1,175	0	7			
Balance, . . . . .	—			—			22,663	7	9
							180	2	2
							22,843	9	11

Geo. FERRIS, Accountant.

## (IRELAND) COMMISSION.

IRELAND, during the Year ended 31st March, 1886, pursuant to Act 46 & 47 Victoria, cap. 26.

EXPENDITURE.	£	s.	d.	£	s.	d.	£	s.	d.
Expenses of Inquiry by Pier and Harbours Commission, . . . . .	—			253	7	5			
Expenses of Engineering Staff, . . . . .	—			2,748	1	2			
Amounts expended on the following Works:—									
Ballyvaughan Harbour, . . . . .	369	16	0						
Knockadoon Pier, . . . . .	1,378	5	6						
Carrickfergus Pier, . . . . .	2,643	3	2						
Inishmore Pier, . . . . .	2,971	10	8						
Boat Pier, . . . . .	1,312	6	9						
Port Coburn Boat Slip, . . . . .	653	0	0						
Port Salen Pier, . . . . .	718	9	11						
Chick Point Pier, . . . . .	1,269	4	0						
Carlingford Harbour, . . . . .	2,269	12	4						
Cullin Pier, . . . . .	2,381	15	10						
Boatstead Breakwater, . . . . .	3,880	9	4						
Enniskerry Harbour, . . . . .	1,613	11	6						
Annalong Harbour, . . . . .	1,354	4	5						
Anglin Pier, . . . . .	1,747	9	2						
Seafield Pier, . . . . .	536	13	2						
Ballycotton Harbour, . . . . .	7,353	2	0						
Mulla Head Harbour, . . . . .	2,189	17	0						
Carrigrohilly Harbour, . . . . .	5,058	9	0						
Kilkee Harbour, . . . . .	2,038	16	6						
Lincoln Pier, . . . . .	2,529	7	6						
Bundoran Boat Harbour, . . . . .	1,337	7	4						
Claggan Pier, . . . . .	1,573	8	3						
Carra Pier, . . . . .	689	19	2						
Loesary Pier, . . . . .	15	13	1						
Baldinosee Harbour, . . . . .	620	12	2						
Malinbeg Pier, . . . . .	563	8	7						
Greystones Pier, . . . . .	2,971	18	11						
Brandon Pier, . . . . .	6	2	10						
Annemul Pier, . . . . .	406	19	0						
Breilohagan Pier Harbour, . . . . .	19	3	0						
Boonville Pier, . . . . .	42	7	2						
Carried forward, . . . . .	54,468	0	3	3,011	8	7			



(IRELAND) COMMISSION—continued.

IRELAND, during the Year ended 31st March, 1886, pursuant to Act 46 &amp; 47 Victoria, cap. 26.

EXPENDITURE—continued.	£ s. d.	£ s. d.	£ s. d.
Brought forward, . . . . .	54,468 0 3	3,011 8 7	
Amounts expended on the following works:—			
Collingwood Harbour, . . . . .	24 9 9		
Clogher Head Breakwater, . . . . .	755 8 6		
Union Hall Pier, . . . . .	675 8 2		
Port Stewart Harbour, . . . . .	31- 4 1		
Ballydaval Boat Slip, . . . . .	208 18 4		
Kilkee Boat Slip, . . . . .	303 18 5		
Lacken Pier, . . . . .	436 6 0		
Belmullet Pier West, . . . . .	26 16 3		
Geenough Landing Place, . . . . .	159 0 11		
And West Pier, . . . . .	195 12 11		
Brownes Harbour, . . . . .	59 5 6		
Inishkealia, . . . . .	89 2 3		
Mason Island Harbour, . . . . .	177 2 3		
Chapman Harbour, . . . . .	599 11 5		
Achill Viaduct Piers, . . . . .	2 17 0		
Belmullet East Pier, . . . . .	85 12 3		
Cashla Pier, . . . . .	11 9 8		
Folinsack Landing Place, . . . . .	24 5 6		
Killarney Breakwater, . . . . .	14 13 1		
Killmore Harbour, . . . . .	12 2 4		
Passage West Harbour, . . . . .	4 12 6		
Ballywillan Harbour, . . . . .	4 15 10		
		58,854 13 2	61,366 1 9
Balance, . . . . .	—	—	4,473 18 6
			65,839 15 3

Geo. FIDLER, Accountant.

of Public Works in the Year ended 31st March, 1886.

## SERVICES.

EXPENDITURE	£ s. d.	£ s. d.	£ s. d.
1. DEPOSIT ACCOUNTS FOR LOANS, &c.:— Paid to Sundries for Preliminary Expenses, . . . . .	—	—	1,219 0 7
2. RAILWAY AND OTHER ARBITRATION EXPENSES, 14 & 15 Vic., c. 79:— Paid to Valuers, &c., . . . . .	—	—	3,044 19 0
3. ARBITRAL DRAINAGE DEPOSITS, 26 & 27 Vic., c. 38, &c.:— Paid for Preliminary Expenses, Arbitrations, &c., . . . . .	—	—	1,289 15 9
4. FINES AND BARRISTS:— For New Works, per Act 9 Vic., c. 3, and 29 & 30, c. 40— Ballykeese—Expenditure on Works, . . . . . Charters, Do., . . . . . Tomberville, Do., . . . . . Do., Transfer to Exchequer Extra Receipts of amount overdrawn from Grant, . . . . .	— — 32 1 0 52 9 3	19 0 0 219 17 0 64 11 0	996 8 0
Carried forward, . . . . .	—	—	6,541 3 4
			H

AN ACCOUNT showing the RECEIPTS and EXPENDITURE of the COMMISSIONERS  
MISCELLANEOUS

RECEIPTS—continued.		£	s.	d.	£	s.	d.	£	s.	d.
Brought forward,		—			—			9,786 5 2		
5. PIERS MAINTENANCE AND REPAIRS, 16 & 17 Vic., c. 136.										
Barna—Presentments		—			99 0 0					
Downish Bay—Loan,		—			19 2 0					
Ballynasc	Do,	—			5 0 5					
Portlabbey	Do,	—			11 0 0					
Barton Port	Do,	—			4 14 4					
Ballyva	Do,	—			10 0 0					
Boatree	Do,	—			30 0 0					
Lecount	Do,	—			30 0 0					
Barna,	Do,	—			7 12 3			146 9 0		
6. ISLAND NAVIGATIONS:—										
Shannon Navigation:—										
Rents,		2,800 5 2								
Tolls,		2,003 14 9								
Sales, &c.,		61 18 11			4,864 16 10					
Boyne Navigation:—										
Tolls,		179 15 10								
Rents,		0 5 0			180 0 10			5,087 17 8		
7. ARTERIAL DRAINAGE AND NAVIGATION MAINTENANCE, 29 & 30 Vic., c. 49:—										
Bellinacree,		—			—			78 12 11		
8. NATIONAL MONUMENTS, 32 & 33 Vic., c. 42:—										
Sale of £1,000 Three per Cent. Stock,		—			992 9 1					
Dividends on Stock,		—			987 1 10					
Sale of Materials, &c.,		—			9 0 0			1,968 11 5		
9. IRISH REDEMPITIVE LOAN FUND, 37 & 38 Vic., c. 36, &c.:—										
County Cues,		£			Dividends, &c.			Repayments.		
County Cork,		—			36 7 8			478 11 11		
County Galway,		—			75 0 0			1,694 3 10		
County Kerry,		2,601 13 2			74 4 0			2,009 5 0		
County Leitrim,		—			322 19 8			1,363 17 4		
County Limerick,		—			50 13 8			5 6 4		
County Mayo,		—			93 0 10			29 17 4		
County Sligo,		1,300 4 5			89 16 3			956 8 7		
County Roscommon,		—			55 4 8			412 4 2		
County Tipperary,		1,301 8 8			190 7 0			41 18 4		
		—			136 16 8			—		
		5,103 6 3			1,105 10 6			7,021 13 10		
Carried forward,		—			—			13,330 10 7		
		—			—			39,208 6 9		

of PUBLIC WORKS in the Year ended 31st March, 1886.

SERVICES—continued.

EXPENDITURE—continued.		£	s.	d.	£	s.	d.	£	s.	d.
Brought forward,		—	—	—	—	—	—	6,541	3	4
5. PIERS—MAINTENANCE AND REPAIRS, 16 & 17 Vic., c. 138 :—										
Spittal—Refund of unexpended balance of Presentment,		—	—	—	0	5	5			
Portablahy—Expenditure on Works,		—	—	—	0	14	3			
Rosvyle, Do.,		—	—	—	10	0	0			
Borris, Do.,		—	—	—	16	19	8			
Lemane, Do.,		—	—	—	30	0	0			
Glenam, Do.,		—	—	—	22	4	0			
Borris, Do.,		—	—	—	7	12	3			
								87	15	7
6. ISLAND NAVIGATIONS :—										
Shannon Navigation :—										
Maintenance and Repairs of Works, &c.,		3,554	19	3						
Salary of Engineer and Wages of Collectors and Lock-keepers,		1,335	2	4						
Repayment of Clare Castle Pier Loan,		443	17	6						
Law Costs,		11	8	0						
Boyne Navigation :—					4,335	7	1			
Maintenance and Repairs of Works,		66	2	4						
Wages of Collectors and Lock-keepers,		165	16	0						
Rent,		3	3	0						
					235	1	4			
								4,390	8	5
7. ARTERIAL DRAINAGE AND NAVIGATION MAINTENANCE, 29 & 30 Vic., c. 49 :—										
Ballinacorney,		—	—	—				78	12	11
8. NATIONAL MOVEMENTS, 32 & 33 Vic., c. 42 :—										
Maintenance :—										
Salaries and Travelling Expenses of Architect, Caretakers' Wages, Incidents, &c.,		—	—	—	434	10	9			
Restoration :—										
Droghda, . . . . .		105	17	1						
Renswick, . . . . .		5	0	0						
Jerpoint, . . . . .		225	17	11						
South Arona, . . . . .		58	13	10						
Inishmaan, . . . . .		1	10	0						
North Arona, . . . . .		11	7	9						
Clonsilla, . . . . .		139	9	10						
Helfinst, . . . . .		35	9	6						
Aghalurcher, . . . . .		43	19	3						
Threelocks, . . . . .		39	2	5						
Faghadea, . . . . .		94	4	2						
Droghda, . . . . .		122	0	6						
Tyrnagh, . . . . .		9	1	2						
Clonsilla, . . . . .		37	12	10						
					939	6	3			
								1,373	17	0
9. IRISH REPRODUCTIVE LOAN FUNDS, 37 & 38 Vic., c. 84, &c. :—										
County Clare, . . . . .		500	0	0	135	0	0	6	13	4
" Cork, . . . . .		—	—	—	1,619	0	0	2	6	5
" Galway, . . . . .		—	—	—	3,225	0	0	75	17	0
" Limerick, . . . . .		300	0	0	—	—	—	—	—	—
" Kerry, . . . . .		1,400	0	0	1,301	10	0	13	18	10
" Mayo, . . . . .		—	—	—	2,506	19	0	34	7	6
" Sligo, . . . . .		—	—	—	354	0	0	2	17	2
" Roscommon, . . . . .		—	—	—	1,500	0	0	—	—	—
		2,100	0	0	10,409	9	0	136	0	3
								12,645	9	3
Carried forward,		—	—	—	—	—	—	26,517	6	6
								II	2	

AN ACCOUNT showing the RECEIPTS and EXPENDITURE of the COMMISSIONERS  
MISCELLANEOUS

RECEIPTS—continued.	£	s	d	£	s	d	£	s	d
Brought forward,	—	—	—	—	—	—	30,298	6	9
10. SEA AND COAST FISHERIES LOAN FUNDS :—									
Repayment,	—	—	—	4,253	18	2			
Dividends, &c.,	—	—	—	612	10	5	4,876	8	7
11. LINES HALL :—									
Rents,	—	—	—	—	—	—	436	11	10
12. ARDGILL HARBOUR—"WORKS" :—									
Transfer on account of Grant,	—	—	—	400	0	0			
Sale of Shingle, &c.,	—	—	—	2	3	2	402	3	2
13. ARDGILL HARBOUR—"MAINTENANCE" :—									
Rents and Dues,	—	—	—	104	12	0			
Transfer from Parliamentary Vote for Public Buildings,	—	—	—	558	4	9	660	16	9
14. KINSALE HARBOUR :—									
Transfer on account of Grant,	—	—	—	3,000	0	0			
Do. Loan,	—	—	—	3,000	0	0			
Refunds, &c.,	—	—	—	93	12	2	6,093	12	2
15. ARKLOW HARBOUR—"WORKS" :—									
Transfer on account of Grant,	—	—	—	5,500	0	0			
Do. Loan,	—	—	—	4,000	0	0	9,500	0	0
16. ARKLOW HARBOUR—"MAINTENANCE" :—									
Dues	—	—	—	—	—	—	310	16	1
17. FOTTERAL BRIDGE :—									
Proclamation, Grand Jury—Co. Cork,	—	—	—	1,079	10	1			
Do. Co. Waterford,	—	—	—	770	15	4	1,850	5	5
18. LIGGERS BRIDGE :—									
19. CLARE CASTLE PIER :—									
Transfer on account of Loan,	—	—	—	—	—	—	1,500	0	0
20. CLARE SCOW REGULATION :—									
Transfer on Account of Loan,	—	—	—	18,551	0	0			
Rent,	—	—	—	10	0	0			
Tonnage,	—	—	—	37	6	0			
Refunds,	—	—	—	244	5	4	18,932	11	4
Carried forward,	—	—	—	—	—	—	74,881	12	1



of Public Works in the Year ended 31st March, 1886.

SERVICES—continued.

EXPENDITURE—continued.		£	s.	d.	£	s.	d.	£	s.	d.
Brought forward,		—	—	—	—	—	—	25,317	16	6
10. SEA AND COAST FISHERIES LOAN FUND :—										
Loans to Fishermen,		—	—	—	6,379	17	9			
Law Costs, &c.,		—	—	—	31	0	2			
								6,310	18	4
11. LEVEN HALL :—										
Rent, Salaries, &c.,		—	—	—	187	16	4			
Transfer to Her Majesty's Exchequer,		—	—	—	269	0	0			
								447	16	4
12. ARDLUGH HARBOUR—"WORKS"—										
Expenditure on Works, Salaries, &c.,		—	—	—	—	—	—	673	9	0
13. ARDLUGH HARBOUR—"MAINTENANCE"—										
Harbour Master's Salary, &c., and Carttaking of Stores,		—	—	—	108	4	6			
Labour, &c.,		—	—	—	653	6	10			
								761	11	4
14. KIRKALKY HARBOUR :—										
Labour, Materials, &c.,		—	—	—	528	1	0			
Contractor,		—	—	—	4,504	15	9			
Purchase of Furniture,		—	—	—	15	0	0			
Superintendence, Law costs, &c.,		—	—	—	192	15	8			
								5,239	12	5
15. ARKLOW HARBOUR—"WORKS"—										
Contractor,		—	—	—	8,215	0	0			
Superintendence, &c.,		—	—	—	200	12	4			
								8,415	12	4
16. ARKLOW HARBOUR—"MAINTENANCE"—										
Salaries, Labour, &c.,		—	—	—	—	—	—	165	0	9
17. YOUGHAL BRIDGE :—										
18. LISBURN BRIDGE :—										
Contractor,		—	—	—	1,508	15	6			
Engineer's Fees, Superintendence, &c.,		—	—	—	229	14	9			
Law Costs,		—	—	—	283	17	8			
								1,775	7	11
19. CLARE CASTLE FERRIS :—										
Labour, materials, &c.,		—	—	—	—	—	—	1,837	1	8
20. CLARE SLOE RECLAMATION :—										
Labour, Salaries, Materials, &c.,		—	—	—	18,396	1	3			
Hire of Steam Tug,		—	—	—	681	0	0			
Hire of Plant,		—	—	—	600	0	0			
								19,477	1	3
Carried forward,		—	—	—	—	—	—	70,119	3	10

## AN ACCOUNT showing the RECEIPTS and EXPENDITURE of the COMMISSIONERS

## MISCELLANEOUS

RECEIPTS—continued.		£	s.	d.	£	s.	d.	£	s.	d.
Brought forward, . . . . .		—	—	—	—	—	—	74,381	12	1
21. EMIGRATION GRANTS —										
Refunds, . . . . .		—	—	—	—	—	—	43	0	0
22. RELIEF OF DISTRESSED UNIONS, 46 & 47 Vic., s. 24 —										
Refund, . . . . .		—	—	—	—	—	—	30	0	0
23. GALWAY HARBOUR RECEIPTS —										
Dues, . . . . .		—	—	—	—	—	—	3,393	19	6
24. SOUTHERN RAILWAY —										
Net Revenue for year ending 31st December, 1885, . . . . .		—	—	—	1,776	4	2			
Balance of Net Revenue received, half-year ending 31st December, 1884, . . . . .		—	—	—	—	—	—	395	12	9
Amount received for payment of Barometal Guaranteed Dividends, . . . . .		—	—	—	—	—	—	3,115	14	10
								5,386	11	9
25. Sundry Accounts —										
Outrigger of Kildare, Beets, . . . . .		—	—	—	—	—	—	50	14	6
Lease Insurance, Premiums Received, . . . . .		—	—	—	—	—	—	373	4	9
Income Tax, . . . . .		—	—	—	—	—	—	957	6	9
Local Marine Board, . . . . .		—	—	—	—	—	—	290	11	7
Widow Conner's House, . . . . .		—	—	—	—	—	—	51	2	6
Bulwer's Deposits, Science and Art Museum, . . . . .		—	—	—	—	—	—	10	0	0
Island Bridge Waterworks, . . . . .		—	—	—	—	—	—	39	19	5
Board of Admiralty, . . . . .		—	—	—	—	—	—	36	12	6
Board of Trade, . . . . .		—	—	—	—	—	—	638	10	13
Drainage Works, Closing Account, . . . . .		—	—	—	—	—	—	11	7	0
Dividends on Stock, lodged as Contractors' security, . . . . .		—	—	—	—	—	—	6	1	10
Temporary Receipts, . . . . .		—	—	—	—	—	—	5,538	13	8
								8,244	5	5
								92,051	8	9

Office of Public Works, Dublin, 1st May, 1886.

of PUBLIC WORKS in the year ended 31st March, 1886

SERVICES—continued.

EXPENDITURE—continued.		£	s	d.	£	s	d.	£	s	d.
Brought forward,		—	—	—	—	—	—	70,119	3	10
31. EMIGRATION GRANTS:—										
Grant to Mr. Toke's Committee, and Expenses of Agent,		—	—	—	—	—	—	326	19	6
22. RELIEF OF DISTRESSED UNIONS, 46 & 47 Vic., c. 24:—										
On account of Grant to Belmullet Union,		—	—	—	—	—	—	258	2	10
23. GALWAY HARBOR REVENUE'S ACCOUNT:—										
Repayment of Loan,		—	—	—	2,023	7	7			
Salaries, Maintenance, Dredging, &c.,		—	—	—	1,631	11	2	3,654	18	9
24. SOUTHERN RAILWAY:—										
Payment of Interest on Loan,		—	—	—	609	0	0			
General Expenses of Management,		—	—	—	795	8	7			
Dividends, Income Tax, &c., paid on Baronial Guaranteed Stock,		—	—	—	1,689	0	11	3,087	9	6
25. SUMMIT ACCOUNTS:—										
Curragh of Kildare, Transfer to Woods and Forests,		—	—	—	50	14	6			
Loans Insurance, Premiums paid,		—	—	—	433	14	2			
Income Tax,		—	—	—	1,006	14	2			
Local Marine Board,		—	—	—	8	4	1			
Widow Connor's House,		—	—	—	15	12	0			
Builder's Depots—Science and Art Museum—Refends,		—	—	—	489	0	0			
Island Bridge Waterworks,		—	—	—	18	10	6			
Board of Admiralty,		—	—	—	50	9	9			
Board of Trade,		—	—	—	658	17	11			
Athluskard Bridge,		—	—	—	46	12	7			
Drainage Works Closing Account,		—	—	—	0	7	6			
Dividends, paid Contractors,		—	—	—	6	1	10			
Temporary Receipts,		—	—	—	2,209	12	4	5,037	11	4
Balance,		—	—	—	—	—	—	2,607	3	0
								21,061	8	9

Geo. Finner, Accountant.

## (A 8.) ARTERIAL DRAINAGE.—

These Works are executed under District Boards in

## SCHEDULE—ABSTRACT of FINAL AWARDS, and Repayments

Districts	Counties	Date when Awards made final	Area of Flooded or Inundated Lands, when Area has been Drained or Improved, Statute Measures	Cost per Acre of the Drainage, including Interest, &c.	Amount in the Annual Letting Value of these Lands, arising by Drainage	Amount of Dividends to be paid to the Landowners, in respect of the interest on the Drainage Bonds	Amount of Dividends to be paid to the Landowners, in respect of the interest on the Drainage Bonds	Amount of Dividends to be paid to the Landowners, in respect of the interest on the Drainage Bonds
Athboy River,	Menth,	4th April, 1869,	1,388 0 27	8 0 0	569 10 0	362 2 2	44	30
Ballynacorney,	Limerick,	2nd Oct., 1875,	170 0 5	7 1 8	82 5 1	32 18 4	44	70
Ballyslane,	Queen's,	9th Oct., 1869,	813 2 0	4 5 8	204 15 0	89 5 6	70	44
Ballynacorney,	King's and Queen's,	9th April, 1868,	2,562 1 23	3 7 5	516 14 0	184 8 2	44	30
Ballymore,	Kildare,	13th Mar., 1875,	1,316 2 20	4 0 8	568 4 3	268 1 11	44	30
Bansky,	Limerick,	3rd April, 1869,	1,017 1 32	9 15 1	607 19 8	240 14 10	44	30
Beelinnarrig,	King's,	27th Mar., 1875,	236 3 20	3 7 1	197 12 8	59 5 3	44	30
Briskly River,	Waterford,	24th Sept., 1870,	689 1 20	5 4 3	297 2 1	129 12 2	44	70
Brils River,	Cork,	9th Oct., 1862,	1,889 3 4	6 15 8	531 3 2	215 7 8	44	30
Canoge,	Limerick,	29th Sept., 1870,	1,200 2 0	9 3 1	577 4 8	298 13 0	70	20
Clodagh River,	Tipperary,	20th May, 1872,	1,037 1 4	4 3 7	208 0 7	912 15 3	44	30
Connell,	Kildare,	19th Jan., 1870,	767 2 0	5 5 5	171 12 2	77 1 5	44	70
Currymore,	Longford,	9th Oct., 1862,	116 3 37	5 9 4	27 14 1	15 14 4	44	30
Derrinagh,	King's,	9th Oct., 1874,	629 0 20	5 6 5	143 15 4	61 10 10	44	30
Dookyle,	Limerick,	9th Oct., 1871,	409 2 32	6 2 7	145 9 2	71 9 9	44	30
Douglas River,	Carlow,	31st Mar., 1875,	3,088 2 0	4 7 3	922 18 0	426 14 4	44	30
Elphin,	Roscommon,	26th Mar., 1873,	5,285 3 12	4 11 2	1,086 1 10	482 13 7	44	30
Frankford River,	King's,	27th Mar., 1875,	1,204 2 0	6 5 8	414 16 0	204 17 11	44	30
Do,	Do,	4th April, 1884,	—	—	—	44 11 5	44	30
Garristown and Delvin,	Menth and Dublin,	3rd April, 1862,	3,222 0 13	1 9 4	461 3 0	146 8 2	44	30
Gully,	Queen's,	4th Oct., 1873,	1,064 0 10	4 4 11	242 18 9	142 1 5	44	30
Gully, Upper,	Do,	14th Mar., 1878,	505 1 18	4 13 7	129 12 2	59 8 11	44	30
Inland Lakes and Glens River	Mays,	2nd April, 1875,	1,437 0 32	5 16 6	443 5 6	206 9 10	70	20
Kildare,	Kildare,	29th Sept., 1877,	2,247 3 20	3 11 6	506 7 10	271 3 9	44	30
Kilnamatta,	Tipperary,	28th July, 1879,	1,684 1 16	6 10 7	582 12 2	312 6 9	44	30
Lansow,	Menth,	3rd April, 1866,	879 1 52	7 0 7	204 12 10	154 10 10	70	20
Lerr River,	Kildare and Carlow,	25th Oct., 1868,	1,684 3 20	16 8 11	426 5 0	482 17 0	70	20
Lough Oughter,	Cavan,	6th April, 1878,	2,077 1 30	5 1 11	846 16 9	398 9 1	70	20
Malkar River,	Limerick,	26th Sept., 1871,	3,220 2 24	2 4 1	993 9 11	747 17 6	70	20
Parsinstown,	Tipperary and King's,	22th Sept., 1879,	2,219 0 1	4 4 6	620 19 5	268 16 2	70	20
Qidagh,	Carlow,	12th Jan., 1870,	680 3 0	5 15 5	208 1 5	81 5 7	44	30
Rathangan River,	Kildare,	4th April, 1883,	8,864 2 3	8 12 5	2,044 12 10	1,006 13 6	70	20
Rathdowney,	Queen's,	6th Oct., 1862,	413 1 39	6 0 1	189 0 4	84 18 1	44	30
Silver River,	King's & Westmeath,	26th Oct., 1870,	1,092 2 30	3 12 8	245 10 9	128 16 6	44	30
Slonebridge,	Clare,	4th April, 1871,	2,305 0 4	7 13 2	1,329 16 11	611 13 7	44	30
Stoneyford River,	Kildare,	9th Oct., 1884,	3,264 0 9	6 18 3	1,350 15 10	721 17 4	70	20
Strathlin,	Cavan,	23rd Mar., 1880,	965 2 19	7 6 0	138 15 2	63 0 6	44	30
Terront River,	Tyrone,	2nd April, 1875,	433 1 16	11 7 1	396 18 10	135 7 3	44	30
Tory Hill,	Limerick,	3rd April, 1878,	381 3 2	6 4 6	434 13 4	196 11 4	44	30
Upper Lany,	Menth, Westmeath, Longford, & Cavan	4th April, 1881,	11,075 2 7	7 8 3	2,780 2 4	2,163 10 10	70	20
Ward River,	Dublin and Menth,	4th April, 1883,	886 0 18	7 10 1	314 7 5	185 4 5	70	20
[Continued on next page.]			Total,	74,383 2 22	8 8 4	23,479 8 8	13,249 6 3	—

a These charges have expired.

26 &amp; 27 Vic., c. 88, &amp;c.

accordance with the Provisions of the above Acts.

thereon, for the Year ended 31st March, 1886.

Expenditure, including interest to date of Audit.	Portion of Total Expenditure charged to Committed for Public Works.			Portion of Total Expenditure charged on Loans.			Representations.			Districts.					
	£	s.	d.	£	s.	d.	£	s.	d.		To 31st March, 1885	For year ended 31st March, 1886	Total		
£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	
11,143 16 2	-	-	11,143 16 2	11,225 7 2	734 4 4	11,959 11 6									Athboy River.
1,908 3 10	-	-	1,908 3 10	332 1 1	81 8 11	1,003 10 9									Ballinacorney.
3,660 8 0	89 10 0		3,570 18 0	368 1 0	178 11 0	446 12 0									Ballyduane.
5,975 9 1	-	-	5,975 9 1	6,237 3 5	358 16 6	6,595 19 11									Ballynacorney.
5,211 1 2	350 15 2		5,000 6 0	5,470 13 10	463 3 10	5,335 17 8									Ballynacorney.
8,186 17 9	*609 19 7		7,577 5 2	1,476 2 3	495 19 8	1,905 1 11									Barnakyle.
7,350 0 0	-	-	7,350 0 0	73 11 4	69 3 4	142 14 8									
3,107 2 4	-	-	3,107 2 4	2,092 0 3	188 18 6	2,280 18 9									Bodinnagh.
4,328 12 0	-	-	4,328 12 0	3,801 1 0	190 16 7	4,041 17 7									Bridgway River.
5,743 8 3	106 2 6		5,636 5 9	825 2 6	379 16 6	2,195 12 0									Bride River.
11,748 10 6	300 0 0		11,548 10 6	4,665 9 3	545 12 10	5,101 3 1									Canoge.
6,938 11 6	-	-	6,938 11 6	5,639 0 9	341 17 4	6,000 18 1									Cladagh River.
2,482 13 0	-	-	2,482 13 0	2,448 2 6	104 2 10	2,902 3 4									Connell.
438 13 0	-	-	438 13 0	57 10 4	31 8 0	88 19 0									Corrymore.
2,506 12 9	40 0 0		2,006 12 9	1,517 7 6	76 2 3	1,593 16 2									Derrinacree.
2,513 0 0	-	-	2,513 0 0	1,707 7 11	44 5 6	1,751 13 5									Dockyle.
12,668 6 8	160 0 0		12,478 6 8	8,870 10 10	849 15 6	9,720 11 10									Douglas River.
12,949 17 0	458 0 0		12,491 17 0	12,901 17 1	803 16 2	14,066 7 3									Elphin.
4,746 8 4	80 0 0		4,666 8 4	4,116 16 2	222 3 8	4,386 2 1									Frankford River.
873 11 4	-	-	873 11 4	59 16 1	68 17 7	128 15 8									Do.
4,948 15 0	225 0 0		4,723 15 0	1,671 6 0	292 0 0	1,353 0 0									Garristown and De-En.
4,517 11 6	-	-	4,517 11 6	3,418 11 11	184 2 10	3,762 14 9									Gully.
2,567 12 2	70 0 0		2,497 12 2	2,318 11 1	94 7 11	1,846 6 10									Gully, Upper.
8,704 13 7	215 0 0		8,489 13 7	4,037 8 1	271 1 4	4,388 9 5									Island Lough and Glens River.
3,637 4 6	*159 0 0		3,478 4 6	4,311 13 9	520 19 4	4,831 12 4									Kildare.
10,099 7 8	-	-	10,099 7 8	10,020 16 2	608 5 0	11,114 9 9									Kilnashalla.
6,217 12 10	35 15 4		6,181 17 6	1,699 12 10	282 5 4	1,993 18 2									Larne.
27,016 2 0	302 0 0		26,714 2 0	202 0 0	-	302 0 0									Lea River.
16,188 4 0	-	-	16,188 4 0	5,141 18 2	841 2 7	5,983 0 9									Lough Oughter.
20,379 0 0	654 1 0		19,724 1 0	10,687 4 8	1,320 19 3	12,011 2 11									Melkay River.
11,689 17 1	159 0 0		11,530 17 1	6,192 6 7	882 1 4	6,715 7 11									Musstown.
2,700 18 8	*209 0 0		2,491 18 8	2,088 7 6	162 11 2	2,640 18 8									Quinagh.
77,037 6 0	1,185 0 0		75,852 6 0	6,643 6 7	3,474 6 2	10,117 13 9									Rathangan River.
2,648 6 3	-	-	2,648 6 3	2,756 12 0	163 1 0	2,921 13 0									Rathdowney.
5,971 2 9	-	-	5,971 2 9	3,748 9 6	217 12 7	4,065 9 0									Silver River.
20,328 13 11	424 1 8		19,904 12 3	18,372 13 0	990 7 1	20,363 0 1									Stamfordbridge.
22,220 0 0	*680 0 0		20,884 8 2	3,261 6 4	1,387 3 11	4,748 10 3									Stoneyford River.
2,662 5 6	163 0 0		1,939 5 6	775 5 0	125 1 0	899 6 0									Strawberry.
5,329 1 4	187 10 0		5,141 11 6	3,545 9 2	220 0 0	3,825 17 2									Tamworth River.
6,110 13 8	-	-	6,110 13 8	2,471 1 8	264 13 8	2,735 17 9									Tory Hill.
92,490 5 6	2,102 13 6		90,388 12 0	18,825 18 11	3,673 14 9	23,229 13 8									Upper Lough.
	*3,759 0 0														
5,845 17 9	195 19 6		5,649 18 3	384 2 3	320 6 9	604 9 0									Ward River.
205,908 1 3	14,880 12 7		191,177 5 8	197,291 14 1	22,617 19 10	219,908 13 11									

/ £5,140 Issued out of the Crown Fund

\* Retained

## (A 8.) ARTERIAL DRAINAGE.—

These Works are executed under District Boards in

## ARTERIAL DRAINAGE Works in progress

Districts	Counties	Date when Awards made final	Area of Flooded or Injured Lands, which have been drained or Improved, Statute Measure	Cost per Acre of the Drainage, including Interest, &c	Receipts on the Annual Letting Value of these Lands, covered by Drainage.	Amount of Installments payable half-yearly, to repay Cost, with Interest, after deducting Redemptions	Number of half-yearly installments to repay principal and interest
			£ s. d.	£ s. d.	£ s. d.	£ s. d.	
	From preceding page,	—	—	—	—	—	—
Ballyteigue and Kilmore,	Wexford, . . .	—	—	—	—	—	—
Cashen River, . . .	Kerry, . . .	—	—	—	—	—	—
Hagan's Pass, . . .	Tipperary, . . .	—	—	—	—	—	—
Lough Erne, . . .	Fermanagh, Carrick, Monaghan, and Don- negal Do., . . .	—	—	—	—	—	—
Do., . . .	Do., . . .	—	—	—	—	—	—
Millford, . . .	Cork, . . .	—	—	—	—	—	—
Nanny River, . . .	Monk, . . .	—	—	—	—	—	—
Ousemore, . . .	Monk, . . .	—	—	—	—	—	—
Swilly Ross, . . .	Donnegal, . . .	—	—	—	—	—	—
River Buck, . . .	Rooscommon & Galway, . . .	—	—	—	—	—	—
Upper Morning Star, . . .	Limerick, . . .	—	—	—	—	—	—
Total charge against districts,			—	—	—	—	—

Office of Public Works, Dublin, 1st May, 1886.

26 &amp; 27 Vic., c. 88, &amp;c.

accordance with the Provisions of the above Acts.

showing the Issues made to 31st March, 1886.

Expenditure, including Interest to Date of Award	Portion of Total Expenditure charged to Credits for Public Works.	Portion of Total Expenditure charged on Loans	Repayment			Details.
			To 31st March, 1886.	For year ended 31st March, 1886.	Total	
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
503,868 1 3	—	—	187,521 14 1	22,667 19 10	210,250 13 11	
5,816 0 0	—	—	—	—	—	Ballynagoe and Kilmore.
1,000 0 0	—	—	—	—	—	Cadogan River.
4,909 0 0	—	—	—	214 4 0	214 4 0	Hogan's Pass.
90,000 0 0	—	—	—	—	—	Lough Erne.
15,000 0 0	—	—	—	—	—	Do.
5,800 0 0	—	—	—	—	—	Malkeet.
7,000 0 0	—	—	—	—	—	Nanny River.
6,800 0 0	—	—	—	—	—	Owenree.
8,600 0 0	—	—	—	—	—	Seilly Barn.
{ 40,000 0 0 }	—	—	—	—	—	Slieve Donard.
{ 73,794 1 0 }	—	—	—	—	—	Slieve Donard.
3,200 0 0	—	—	—	—	—	Upper Marnagh Burn.
588,158 1 3	—	—	—	—	—	
76,136 1 0	—	—	—	—	—	
664,294 2 3	—	—	187,521 14 1	22,667 19 10	210,250 13 11	

/ Issued out of the Clerk's Fund.

Geo. PIERCE, Accountant.

APPENDIX B.  
PUBLIC WORKS LOANS, IRELAND.

STATEMENT showing the PRINCIPAL SUM OUTSTANDING at the COMMENCEMENT and END of each YEAR, the AMOUNT ADVANCED, the PRINCIPAL REPAYED, the INTEREST PAID, and the PRINCIPAL REMITTED in the years 1817 to 1886.

Year ended.	Principal out- standing at the commencement of the Year.	Amount advanced in the Year.	Expenditure.		Principal repaid.	Interest paid.	Principal remitted.	Principal out- standing at the close of the Year.
			£	s	d.	£	s	d.
From 1817 to January, 1817.	—	705,255 17 1	856,438 10 10	27,418 25 4	—	—	—	434,521 0 8
1 January, 1818.	434,521 0 8	145,195 0 0	84,324 12 3	5,585 0 0	—	—	—	519,440 10 11
1819.	519,440 10 11	145,310 0 11	65,587 4 3	5,190 8 11	—	—	—	519,255 10 8
1820.	519,255 10 8	124,821 5 8	80,375 14 7	6,641 21 0	—	—	—	413,775 7 6
1821.	413,775 7 6	184,850 24 0	56,590 10 4	11,568 1 2	—	—	—	511,988 8 8
1822.	511,988 8 8	205,875 24 0	125,500 10 0	10,800 17 0	—	—	—	641,302 10 8
1823.	641,302 10 8	279,423 8 7	225,370 10 0	8,142 8 0	—	—	—	865,423 8 5
1824.	865,423 8 5	181,025 0 0	125,611 12 5	10,004 18 0	—	—	—	1,000,865 11 5
1825.	1,000,865 11 5	105,120 1 11	152,840 12 0	9,771 10 0	—	—	10,000 18 7	1,000,865 12 8
1826.	1,000,865 12 8	60,381 10 0	228,732 12 8	9,338 14 12	—	—	—	1,171,585 10 8
1827.	1,171,585 10 8	266,022 1 10	146,719 7 0	9,170 20 11	—	—	—	1,611,766 8 0
1828.	1,611,766 8 0	275,005 6 11	188,385 7 4	8,825 20 4	—	—	—	1,638,489 2 8
1829.	1,638,489 2 8	271,375 10 2	185,537 8 11	28,155 8 4	—	—	—	1,626,602 17 8
1830.	1,626,602 17 8	264,025 6 11	185,657 10 2	27,006 11 0	—	—	—	1,804,501 8 11
1831.	1,804,501 8 11	248,400 10 7	281,412 1 0	18,889 17 8	—	—	—	2,290,695 4 8
1832.	2,290,695 4 8	279,400 0 0	286,858 10 11	20,800 17 4	—	—	—	2,569,947 1 8
1833.	2,569,947 1 8	65,442 17 2	516,582 12 0	16,641 19 11	—	—	—	2,601,667 4 8
1834.	2,601,667 4 8	298,524 18 11	225,112 8 10	23,873 20 0	—	—	—	2,828,100 14 8
1835.	2,828,100 14 8	219,250 10 0	285,158 7 1	9,616 14 0	100 15 0	—	—	2,213,121 5 11
1836.	2,213,121 5 11	641,980 1 0	584,251 18 0	19,170 10 0	—	—	—	2,589,349 17 2
1837.	2,589,349 17 2	205,537 0 0	245,841 1 1	27,820 3 0	—	—	—	2,556,040 10 0
1838.	2,556,040 10 0	886,373 18 0	536,845 12 8	29,446 0 7	—	—	—	2,612,193 3 7
1839.	2,612,193 3 7	825,185 10 8	516,541 2 0	85,348 0 4	—	—	—	2,607,660 11 4
1840.	2,607,660 11 4	255,000 0 0	516,500 0 0	27,374 18 10	—	—	—	2,607,660 11 4
1841.	2,607,660 11 4	275,998 14 0	581,838 7 2	22,121 4 8	—	—	—	2,607,660 11 4
1842.	2,607,660 11 4	245,840 10 0	591,565 12 0	30,778 7 10	100,000 0 0	—	—	2,121,422 17 0
1843.	2,121,422 17 0	504,298 6 0	537,734 0 0	26,718 1 1	200 5 2	—	—	2,185,299 10 5
1844.	2,185,299 10 5	382,247 8 10	512,700 6 0	26,822 11 0	18,000 1 4	—	—	2,144,794 12 5
1845.	2,144,794 12 5	245,710 7 1	555,829 6 0	26,615 10 0	50,100 7 6	—	—	2,025,728 2 0
1846.	2,025,728 2 0	326,529 10 1	538,900 0 0	25,882 10 4	700 0 0	—	—	1,987,599 10 4
1847.	1,987,599 10 4	1,581,889 18 4	642,715 0 0	26,000 18 4	10,004 2 2	—	—	2,581,298 10 1
1848.	2,581,298 10 1	2,364,216 12 1	8,215,134 4 4	417,108 8 1	25,720 11 10	2,000,000 0 0	—	1,400,288 4 0
1849.	1,400,288 4 0	516,135 18 1	185,970 0 10	46,000 27 11	—	—	—	2,000,288 10 8
1850.	2,000,288 10 8	739,527 8 8	485,824 12 0	30,640 20 5	—	—	—	2,044,712 1 0
1851.	2,044,712 1 0	1,898,119 16 8	421,494 7 4	26,974 0 7	181 30 9	—	—	2,262,219 10 8
1852.	2,262,219 10 8	2,000,170 10 0	59,152 5 0	10,152 5 1	—	—	—	2,000,000 10 8
1853.	2,000,000 10 8	425,700 0 0	425,700 0 0	112,700 0 0	—	—	—	2,000,000 10 8
12 months to 4 April, 1854.	2,000,000 10 8	425,700 0 0	602,094 10 6	72,700 24 0	2,000,000 10 8	—	—	2,000,000 10 8
12 months to 31 March, 1855.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
12 March, 1856.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
1857.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
1858.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
1859.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
1860.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
1861.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
1862.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
1863.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
1864.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
1865.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
1866.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
1867.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
1868.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
1869.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8
1870.	2,000,000 10 8	200,000 12 0	200,000 12 0	20,000 12 0	40,000 12 0	—	—	2,000,000 10 8



APPENDIX B.—Statement showing the Principal Sum outstanding at the commencement and end of each Year, &c.—continued.

Year ended.	Principal outstanding at the commencement of the Year.	Amount advanced in the Year.	Payments		Principal received.	Principal outstanding at the close of the Year.
			Principal repaid.	Interest paid.		
31 March, 1886.	£ 3,167,568 s 5	£ 515,548 18 11	£ 555,518 18 10	£ 79,857 6 0	—	£ 3,047,608 18 5
" 1887.	3,066,486 18 3	521,585 18 5	556,595 3 4	65,464 6 9	—	2,996,418 4 1
" 1888.	2,958,648 4 2	502,460 1 3	555,518 18 1	60,758 0 6	3,425 19 11	2,896,114 2 6
" 1889.	2,850,110 9 4	507,668 16 7	564,364 3 6	63,355 0 4	—	2,783,391 35 3
" 1890.	2,740,800 18 3	503,548 4 11	563,732 12 5	58,720 3 7	15,756 14 11	2,684,195 9 19
" 1891.	2,631,132 0 10	545,150 15 5	577,490 2 6	54,645 5 8	198,881 18 9	2,593,227 9 1
" 1892.	2,513,627 0 1	558,556 30 11	575,561 8 1	58,655 3 4	14,732 13 3	2,548,591 18 6
" 1893.	2,398,770 30 4	573,771 11 0	575,320 14 3	53,612 15 6	55 6 6	2,374,634 4 6
" 1894.	2,279,423 4 0	577,860 2 7	582,681 12 4	48,558 5 1	—	2,258,602 12 8
" 1895.	2,158,582 18 8	565,465 19 9	581,568 8 8	45,008 18 0	15,527 9 2	2,178,569 12 19
" 1896.	2,039,260 15 18	567,361 37 13	587,838 8 11	47,268 18 11	1,565 18 7	2,096,770 9 8
" 1897.	1,918,770 9 3	551,858 2 8	585,564 14 0	45,613 14 11	—	1,994,855 27 9
" 1898.	1,804,332 17 0	585,148 18 5	587,596 0 1	47,705 6 3	—	1,911,485 9 11
" 1899.	1,681,617 5 11	645,568 11 0	593,837 13 7	47,336 10 0	4 8 3	1,836,396 10 12
" 1900.	1,558,248 18 11	644,482 11 8	605,482 0 6	47,754 5 8	—	1,665,252 1 3
" 1901.	1,431,558 4 0	656,582 19 11	610,593 7 6	45,665 0 8	586,172 12 3	1,616,787 9 12
" 1902.	1,304,737 0 11	655,690 0 0	615,067 37 8	46,354 12 11	—	1,570,785 8 19
" 1903.	1,180,710 0 30	646,785 35 4	626,137 2 8	46,759 18 6	55,854 13 4	1,534,375 7 0
" 1904.	1,054,674 7 8	643,577 15 2	636,660 7 8	46,750 7 2	3,311 0 11	1,496,196 5 6
" 1905.	930,700 8 6	646,229 6 3	633,364 18 3	46,365 17 5	261,815 4 11	1,415,175 14 6
" 1906.	808,134 16 8	646,369 14 8	637,148 13 4	46,375 18 9	—	1,378,352 9 11
" 1907.	687,932 0 12	646,365 12 3	631,858 13 0	47,142 13 6	66 16 10	1,336,750 17 10
" 1908.	568,770 17 18	754,225 10 6	645,843 1 3	48,325 10 5	5,938 0 0	1,300,116 14 3
" 1909.	448,134 18 5	781,697 8 6	653,845 7 2	48,455 6 3	517 30 3	1,256,888 6 29
		32,585,210 8 0	15,765,987 4 6	2,821,994 0 8	1,575,644 27 8	—
Consolidated Fund.	—	14,246,618 15 0	16,815,730 1 3	2,515,000 5 7	1,548,500 1 12	—
Church Fund.	—	1,967,297 15 7	227,953 0 5	30,755 35 1	15,140 15 9	—

OFFICE OF PUBLIC WORKS, DUBLIN,  
1st May, 1880.

GEORGE PIRRIE, *Accountant.*

## APPENDIX C.

## REPORT to His Excellency the LORD LIEUTENANT OF IRELAND, regarding ARKLOW HARBOUR

In compliance with the instructions of His Excellency the Lord Lieutenant of Ireland that we should visit and report on Arklow Harbour Works, now in progress of construction, from the designs and under the control of the Board of Works, we visited the Harbour on the 5th of September last, accompanied by Mr. Manning, engineer-in-chief of the Board of Works, and obtained from him and his local Inspectors, and also from the Harbour Master, full information. We also met with several traders, merchants, and others acquainted with the Harbour, and interested in the trade. We had the advantage also of meeting and hearing the views of the Earl of Wicklow and the Earl of Caryfort. We have since then received from Mr. Manning certain borings showing the nature of the ground at the site of the outer portion of the break-water, and we now beg to submit the following report:—

The damage done to the South Pier by the storms of the winter of 1884-5, and the measures proposed for its repair have been already described in Parliamentary Paper No. 154, which contains the report of the Engineer of the Commissioners of Public Works in Ireland, dated April, 1885.

In order, however, to render the subject clear, we may briefly state that the South Pier, now in progress, consists chiefly of an inner or wharf wall next the River Avonca, and an outer or storm wall and parapet, the space between the walls being filled with rubble, on which the roadway is formed. Both walls, with the exception of the coping and steps of the wharf wall, are built of concrete, closely in the form of blocks, weighing from eight to ten tons, which are founded on the sand, which here forms the natural bottom of the bay, and during the winter of 1884-5 the sand was washed away from beneath the foundations of part of the sea wall, which then settled downwards and outwards.

The injured portions of the wall were taken down as low as the upper bed of the foundation course which had slipped outwards, and lay with an inclination seawards. Concrete, in bags, was deposited on the top of the foundation course, forced so as to bring up the sloping surface to the level, and on this the superincumbent wall was reconstructed, and, as a further precaution, concrete blocks and rubble stone have been deposited along the toe of the break-water with the view of preventing a repetition of the undermining.

As regards the manner of completing the pier, and the construction of the pierhead, we find from borings which we have had made, that at the pierhead the seabed for a depth of nine feet consists of sand and gravel, the lower portion, for four to five feet in thickness, being of compact gravel; immediately under this bed of gravel there is a depth of fourteen feet of soft sandy sand, and under this there is strong boulder clay, the upper surface of which being thirty-seven to thirty-eight feet under the level of low water. The clay would afford a quite satisfactory foundation, but the great depth would involve a very large expenditure, and we have, therefore, to recommend that the foundations of the pierhead should stop at the top gravel bed, or about twenty-one to twenty-two feet under low water, and that from that level the pier should be carried up of solid concrete.

For the further security of that portion of the break-water already built, we recommend that the measures

adopted by the chief engineer be carried out and extended when necessary.

Following on this course, heavy rubble, similar to some which we saw in the quarry, and averaging 33 cwt. each stone, should be thrown along the outside of the storm wall already built for a width of about forty feet, measured from the toe of the wall, and for a depth of about five feet. Rubble of a similar character should also be thrown along that portion of the storm wall not yet built, and round the pierhead, rising to a height of not less than ten feet under low water; also along the toe of the inner wall from the outer extremity inwards for a length of about 300 feet, and for a width of about thirty feet, and rising to within about twelve feet of low water.

We saw in the quarries a stock of selected rubble ready to throw in during winter seasons or after storms, in case it should be required, and we think this a very wise and desirable provision, which should be continued; for it must be borne in mind that damage from heavy gales frequently occurs to unaccommodated sea works constructed on sand in exposed situations, and we cannot give any distinct assurance that none such will take place to the portion of the pier already built, but we trust that with the precautions we have suggested no serious injury will occur.

We have further to recommend that the quay wall adjoining the pierhead should be carried to the same depth for the distance landwards shown in blue lines on the sketch, or such other distance as, in the opinion of the chief engineer, may be deemed necessary. For the sake of simplifying the execution of this solid pierhead, the blocks already made for the sixty feet or so of the sea wall next the pierhead should be slightly reduced in breadth on their lower beds, and the lower block set by so much inwards, so as to gradually bring the present face slope of 1 to 1 to about  $\frac{1}{2}$  to 1 at the point where the solid wall begins.

These additional works on the pierhead (in the desirability of which we hope the chief engineer to the Board of Works will concur) will involve only a small additional expenditure.

With regard to the pier on the north side of the river, considering that the channel has maintained its depth up to the present time, and that local authorities are adverse to its being proceeded with, we would recommend that its construction should be postponed until there is further experience of the effect which the South Pier, when completed, may have on the sea and river currents. The direction of the South Pier, we consider, has been judiciously chosen, and that it is preferable to other plans that have been suggested.

In making the foregoing recommendations it is not to be supposed that we can say exactly what may be found necessary as the work proceeds, especially when the shifting nature of the bottom is considered. Indeed we hardly know of any instance in which a large harbour work in such an exposed situation as that at Arklow has been completed without some modifications in the design being made from time to time during the course of the work, such as experience of the place seemed to call for, and it may be safely left to the Engineer to the Board of Works to make such further modifications as may appear necessary as the work proceeds.

THOMAS SPENCER.  
R. B. STOKES.

Edinburgh, 8th January, 1886

## THE UNDER SECRETARY for IRELAND to the COMMISSIONERS of PUBLIC WORKS in IRELAND.

Arklow Harbour.

743

Dublin Castle,  
19th January, 1885.

SIR,—I am directed by the Lord Lieutenant to transmit to you, to be laid before the Board of Works, the enclosed copy of the Report made to His Excellency by Messrs Stevenson and Stoney, the engineers specially sent to examine and report upon the Arklow Harbour, in fulfilment of a promise given by the Government in the House of Commons, and I am to request that you will move the Board to favour His Excellency with their observations upon the Report.

His Excellency would, at the same time, wish to be

furnished with an estimate of the cost of carrying out the recommendations made in the Report, and he would like to know whether the Parliamentary Vote is sufficient for the purpose, assuming that the recommendation for postponing the construction of the Pier at the north side of the river, to which the Local Authorities are opposed, were adopted.

I am, &amp;c.,

(Signed),

R. G. C. HAMILTON.

The Secretary,  
Board of Works Dublin.

## THE COMMISSIONERS of PUBLIC WORKS in IRELAND to the UNDER SECRETARY for IRELAND.

5,612.

Arklow Harbour.

Office of Public Works,  
Dublin, 13th March, 1885.

SIR,—In reply to your letter of the 19th January last, I am directed to forward herewith a copy of the Board's Engineer's Report of the 8th inst., showing the cost which would be entailed by completing the Arklow Harbour, according to the recommendations of Messrs Stevenson and Stoney, in their report of the 8th January, 1885, and to observe that while accepting the result as shown by the contractor's tender, the Board are of opinion that it would be prudent to add £1,000 for contingencies, thus raising the estimate for the works (exclusive of £5,000 paid for acquiring the rights of the Wicklow Copper Mine Company) from £30,000 as provided for by the Arklow Harbour Act of 1883 (43 Vic., c. 13), to £40,500. If the Northern groins be omitted, the total estimate, with similar addition for contingencies, would be £35,500.

As in the first case an additional sum of £10,500, and the second £5,500, would have to be provided for, the excess, should the Lords Commissioners of Her Majesty's Treasury see fit to sanction one or other of the schemes, would have to be provided for as laid down in section 5 of the Act, viz., by convening a special meeting of the Town Commissioners to declare their opinion as to the expediency of charging the rates of the town with the repayment of such further loan to be advanced by this Board.

In dealing generally with the subject of completing the harbour, the Board think it only due to themselves at this stage to point out that by far the greater portion of the excess outlay now estimated for is due to the method suggested by Messrs Stevenson and Stoney of building up solid with deep foundations the last sixty feet in length of the work; if, however, as admitted, the section given by the Board's Engineer to the whole of the remainder, and no less exposed portion of the work, is sufficiently reliable, they are unable to see why any change of this character should be required at the head of the pier.

Without in the least impugning the high professional authority of the eminent Engineers who have reported on the work, the Board consider it right to state their preference for the section as designed by their Engineer, and which, if carried out, would only entail an excess of £3,000, or again, should the northern groins be rejected, would enable a saving of about £1,000 in all to be effected.

As regards this latter feature of the design, the Board are quite satisfied that its omission will leave the harbour greatly exposed, and will with time prove to be a grave error.

I have, &amp;c.,

(Signed), W. R. SOANEY, Secretary.

The Under Secretary, &c., &c.,  
Dublin Castle.

ENGINEER.

## REPORT OF THE ENGINEER to the COMMISSIONERS of PUBLIC WORKS in IRELAND.

Arklow Harbour.

Office of Public Works,  
Dublin, 8th March, 1885.

On the 26th January last the Board referred to me a letter from the Under Secretary to His Excellency the Lord Lieutenant, forwarding a Report from Messrs Stevenson and Stoney, the Engineers specially sent to examine and report on Arklow Harbour, and with a request that the Board should favour His Excellency with their observations thereon.

I prepared and forwarded to Mr. MacDonald (the Contractor) plans and description of the works proposed, and having obtained an estimate from him, I now beg to submit the following Report:—

The total length measured along the plummet of the sea wall of the Southern Pier is 700 feet, and along the wharf wall 375 feet. During the year, 1883, the work was completed to within 180 feet of the Pier Head, the damage referred to in my Report of the 15th April, 1883 (printed by order of the House of Commons), was made good, and a large quantity of heavy concrete blocks and rubble was deposited at the base of the sea wall.

These measures were approved on inspection by the Consulting Engineers, who recommended that they should be carried out, and, where necessary, extended.

Although they do not give any distinct assurance that no further damage will take place, they trust that with the precautions suggested in their Report no serious injury will occur.

With the exception of this protection to the base of the wall, they do not suggest any improvement on the original design until within 60 feet of the Pier Head, beyond which, and for another length of 60 feet next it on the landward side, no works have as yet been executed. For this outer half of the work to be done, they recommend that the pier shall be constructed of one solid mass of concrete, founded at a depth of between 21 and 22 feet below low water. In the course of the investigation special borings were made at their request in order to ascertain at what depth a firm clay foundation existed, and it was ascertained to be from 37 to 38 feet below low water, a depth at which they do not recommend the pier to be founded, in consequence of the very large expenditure it would involve.

Mr. MacDonald, the Contractor, in submitting his estimate, does not undertake any responsibility in carrying out these additional works, and stipulates that the quantities are to be ascertained as the work is put in.

It remains for me to report the cost of the completion of the works. The total sum provided (exclusive of the purchase of the rights of the Wicklow Copper Mine Company) was £30,000. To complete the entire works with the alterations and additions recommended by Messrs Stevenson and Stoney, will cost £25,500. If it be decided not to construct the Northern Groins the expenditure will be reduced to £24,500.

To complete the entire works according to original design, and with such protection as was anticipated to be necessary, when I reported in April, 1883, will cost £31,500, which may be called £32,000, so as to provide for any unseen contingency.

To complete same with the exception of the North Groins will cost £29,000.

\* 1197/52.

It will be observed that the saving to be effected by abandoning the construction of the Northern Grois, is estimated at £5,000 in the case of the revised design, and only at £3,000 in the original one. The explanation is, all the blocks are made for the Grois and paid for, and a larger

quantity of them will be used in the revised work (in substitution of heavy rubble) than in the completion of the original works.

(Signed), ROBT. MARKING.

## APPENDIX D.

REPORT to HIS EXCELLENCY the LORD LIEUTENANT of IRELAND, regarding FISHERY PIERS in the COUNTY OF DONEGAL, IRELAND. By THOMAS STEVENSON, F.R.S.E., M. Inst. C.E.

On the 24th July last, I attended by desire of the Under Secretary, a conference at the Castle, Dublin, upon the subject of the Donegal Harbours. At that meeting it was explained to me, that the design and construction of those harbours by the Board of Public Works, had been made the subject of complaints by the County Surveyor of North Donegal, and that the Grand Jury of that county had asked that inquiry should be made into these charges by an independent engineer.

Various documents bearing on the question were put into my hands, and I was asked to make a local investigation and inspection of each of the harbours complained of, and to report to His Excellency my opinion on the questions raised.

The documents submitted to me were:—

(1.) Copy Report to the Grand Jury, by Mr. Harris, County Surveyor for North Donegal, dated 11th March, 1885, on the Piers and Harbours of the County of Donegal, presented at Spring Assizes of 1885.

(2.) Copy of same Report, excluding the Piers and Harbours of Southern Donegal.

(3.) Copy of Report on the Piers and Harbours of Southern Donegal by Mr. Gahan, the County Surveyor of that District, also presented to the Grand Jury at Spring Assizes of 1885.

(4.) Copy Report by General Sarsley, Chairman of the Board of Works, dated 15th September, 1884, with an appendix and map.

(5.) Copy of Resolution of the Grand Jury at Spring Assizes, 1885, on the subject of these Harbours and demanding inquiry.

(6.) Report by the Chairman of the Board of Works to the Under-Secretary, dated April, 1885.

(7.) Working plans and sections of each of the Harbour Works, with general map showing sites.

I also received from Mr. Shallice a long letter, dated 29th July, 1885, giving more information regarding many of the Harbours; and have received, in the course of my inspection, a memorial regarding the Harbour at Cullin, and a copy resolution of the Grand Jury at Summer Assizes of 1885, as to certain parties with whom I should communicate. I also received from Mr. Harris, after my inspection had been finished, notes regarding the Donegal Piers.

The whole of these documents I have carefully perused and considered, and, having visited the various Harbours, along with the County Surveyors of each district, and obtained local information, I have the honour to submit the following Report:—

I think it unnecessary to notice specially all the allegations which have been made regarding the Harbour Works, which have been carried out by the Public Works Board, in Donegal, or the explanations and confutations which have been offered in respect of these charges, but simply to state the opinion which I have myself formed of the design and construction of these works, and their present condition, as based upon a personal inspection, and upon information received on the spot from the fishermen and others.

I have put in an appendix the information received at each harbour, with small illustrative plans of each place, and I have also added the opinion which I formed, and wrote down on the spot, both as to the condition of the harbours, and what further improve-

ments seemed to me to be wanted. The information given in this appendix renders a lengthened report unnecessary.

The works which have been carried out by the Public Works Board, are not in the strict sense of the term harbours. In no case has an area of sheltered water been enclosed, where boats might lie with safety in all states of the weather. Many of the works are simply landing places, partially sheltered by short piers or breakwaters, intended to enable boats when the weather was suitable to approach the coast and land their fish, and be afterwards drawn up on the beach or on slips provided for the purpose, so as to be beyond the reach of the surf during storms. This description of work appears to be well suited to the wants of the Donegal fishermen as they at present exist. The fishing population is distributed pretty generally all along the coast, and presents the findings as near to their homes as possible; so that by the construction of a number of small ports, much greater facilities are afforded them than would be by the construction of two or three large expensive harbours situated at great distances from the bases of the men. This system of working accurately implies the use of small boats, and consequently the craft employed are only about 24 feet long, and carry about 3 tons. It is to this class of boats that the works executed have been adapted, and have been in my opinion in almost every case well designed. The fishermen I found to be most grateful for what had been done for them, and any demand which they made, was with one exception (viz., the removal of the slip at Buncrana), not in the way of change requiring the demolition of anything which had been done, but of extension or further improvement, generally of a moderate and reasonable nature; indeed, I feel bound to say that in my interviews with the fishermen, I found them to be a most intelligent class of men, and quite competent to judge of the effect, which the proposals they made would have if carried out.

With regard to the sites chosen for the piers, I find that there is general satisfaction among the men in the locality of the piers which have been made, the complaint being that additional piers are wanted, and not against those which exist. No doubt at Downies it was stated that the pier should have been at a point further seaward, and carried into deeper water, but, in my opinion, the expenditure which such a work would involve, would be altogether unjustifiable in such a place, and what is really wanted is the formation of a slip at the root of the present pier to enable boats to be hauled up out of the reach of the sea. A similar statement was made to me at Port Nee, by Mr. Scott, who proposed that the pier should be further out, and carried into a depth of about six fathoms, a work involving a very large expenditure; while the opinion of others was that the pier should be rebuilt on the former site, and the beach cleared for hauling up boats, with which opinion I fully concur.

Regarding the stability and general sufficiency of the works, I am of opinion that, notwithstanding the existence in some cases of slight cracks in the concrete work, that the works are substantially executed. The only exception to this being the pier at Buncrana, which is constructed of masonry, and was damaged by Mr. Forsyth in 1855, a date prior to the general adoption of concrete for harbour works.

If there has been any fault it is that economy has perhaps been carried a little too far, as some of the parapet walls have been made rather thinner than I should have thought advisable, but the works have been tested by very severe storms accompanied by high tides, and do not appear to have suffered any serious injury.

The result of my inquiry is such as to satisfy me that there has been nothing in the proceedings of the Board of Public Works or their Engineer, or of the Fisheries Commissioners, in regard to these harbours, to warrant the charges which have been brought against them. On the contrary I am of opinion that their having carried out such a number of harbour works in so short a time, on such a very exposed part of the coast, with an almost entire freedom from damage, and to the undoubted generally expressed satisfaction of the fishermen, is highly creditable to the Board; and will, in my judgment, compare favourably with the proceedings of any

harbour authority in the country. I also beg to state, with special reference to the allegations made regarding the shortening, &c., of the Techn pier, that I have particularly examined the whole documents relating to the transaction, and I am satisfied that it was conducted in the most regular manner, and that there exists not a vestige of foundation for the reflections upon the honour or the professional reputation of the Chief Engineer.

I have only to express my very many obligations to Mr. Gahan and to Mr. Harte for their obliging assistance during my inquiries in the county, and for the assistance of Mr. Manning, who placed freely at my disposal the whole of the plans and other documents connected both with the old and more recently constructed harbours of Donagh.

THOMAS STEVENSON.

Edinburgh, October 2, 1885.

## APPENDIX E.

## SCHEDULE No. 1.—SIXTY-FOUR PIERS erected prior to establishment of Board of Works.

No.	Name of Pier.	County.	No. on Map.	Number in Schedule			
				1	2	3	4
1	Carrickfergus, . . . . .	Antrim, . . . . .	1	.	.	.	.
2	Oxtonchall, . . . . .	" . . . . .	2	66	.	.	.
3	Portmuck, . . . . .	" . . . . .	3	.	.	.	.
4	Barrin, . . . . .	Gloucester, . . . . .	4	72	.	.	.
5	Carrigrohilly, . . . . .	" . . . . .	5	63	.	.	230
6	Dunbeg, . . . . .	" . . . . .	6	.	.	.	.
7	Kilbaha, . . . . .	" . . . . .	7	69	.	.	.
8	Kilrush, . . . . .	" . . . . .	8	.	.	.	.
9	Liscannon, . . . . .	" . . . . .	9	70	.	.	238
10	Seafeld, . . . . .	" . . . . .	10	.	.	.	234
11	Baltinore, . . . . .	Cork, . . . . .	11	73	143	189	239
12	Bercharvon, . . . . .	" . . . . .	12	76	.	.	272
13	Cape Clear, . . . . .	" . . . . .	13	75	.	.	.
14	Courtmacsherry, . . . . .	" . . . . .	14	.	144	.	.
15	Coulagh, . . . . .	" . . . . .	15	.	.	.	.
16	Clonsilla, . . . . .	" . . . . .	16	.	.	.	.
17	Glandore, . . . . .	" . . . . .	17	77	.	.	.
18	Kinsale (Harbour of), . . . . .	" . . . . .	18	.	.	.	.
19	Kinsale (Cove of), . . . . .	" . . . . .	19	.	.	.	.
20	Ring, . . . . .	" . . . . .	20	.	.	.	.
21	Newcastle, . . . . .	Down, . . . . .	21	82	.	.	.
22	Doughbeg, . . . . .	Donegal, . . . . .	22	.	.	.	.
23	Greenacree, . . . . .	" . . . . .	23	86	.	.	.
24	Newport, . . . . .	" . . . . .	24	.	.	.	.
25	Portora, . . . . .	" . . . . .	25	.	.	.	.
26	Rathmullan, . . . . .	" . . . . .	26	.	156	.	.
27	Balbriggan, . . . . .	Dublin, . . . . .	27	.	.	.	.
28	Lambay, . . . . .	" . . . . .	28	.	.	.	.
29	Arran Island (Killa), . . . . .	Galway, . . . . .	29	83	.	.	.
30	Barna, . . . . .	" . . . . .	30	96	.	.	.
31	Bealadangan, . . . . .	" . . . . .	31	.	.	.	248
32	Claddagh, . . . . .	" . . . . .	32	98	.	.	.
33	Cliffen, . . . . .	" . . . . .	33	99	.	.	.
34	Cashla, . . . . .	" . . . . .	34	.	.	.	253
35	Cloggan, . . . . .	" . . . . .	35	.	.	.	233
36	Ducas, . . . . .	" . . . . .	36	.	.	.	.
37	Greatman's Bay, . . . . .	" . . . . .	37	.	.	.	.
38	Kilcolgan, . . . . .	" . . . . .	38	.	.	.	.
39	Roundstone, . . . . .	" . . . . .	39	104	168	206	.
40	Spiddle, . . . . .	" . . . . .	40	.	170	.	.
41	Stranorlar, . . . . .	Kerry, . . . . .	41	107	.	.	251
42	Ballinskelligs, . . . . .	" . . . . .	42	.	.	.	.
43	Caherciveen, . . . . .	" . . . . .	43	108	.	.	.
44	Castlemaine, . . . . .	" . . . . .	44	.	.	.	.
45	Dunloe, . . . . .	" . . . . .	45	109	.	.	257
46	Kennema, . . . . .	" . . . . .	46	112	.	.	.
47	Roche's Point, . . . . .	" . . . . .	47	.	.	.	.
48	Valentia, . . . . .	" . . . . .	48	115	.	.	.
49	Clagher Head, . . . . .	Louth, . . . . .	49	116	173	.	254
50	Achill Sound, . . . . .	Mayo, . . . . .	50	.	.	.	.
51	Belmullet, . . . . .	" . . . . .	51	121	.	.	250
52	Deeriver, . . . . .	" . . . . .	52	.	.	.	.
53	Clare Island, . . . . .	" . . . . .	53	122	.	.	.
54	Inchurk, . . . . .	" . . . . .	54	.	.	.	.
55	Killa, . . . . .	" . . . . .	55	.	.	.	.
56	Old Head, Clew Bay, . . . . .	" . . . . .	56	.	.	.	.
57	Saloon, . . . . .	" . . . . .	57	125	.	.	.
58	Tarmon, . . . . .	" . . . . .	58	127	.	.	.
59	Pelleghoeeny, . . . . .	Sligo, . . . . .	59	.	.	.	.
60	Roughley, . . . . .	" . . . . .	60	.	.	.	.
61	Annstown, . . . . .	Waterford, . . . . .	61	.	.	.	.
62	Balmacarty, . . . . .	" . . . . .	62	128	.	.	.
63	Arthurs town, . . . . .	Wexford, . . . . .	63	.	.	.	.
64	Courtstown, . . . . .	" . . . . .	64	131	.	.	.

SCHEDULE No. 2.—SEVENTY-THREE PIERS executed under the Acts 9 Vic, cap. 3, and 10 &amp; 11 Vic, cap. 73.

No.	Name of Pier	County.	No. in Map.	Number in Schedule			
				1	2	3	4
65	Ballycastle,	Antrim,	65	.	.	.	.
66	Cashendall,	"	66	2	.	.	.
67	Ballyvaughan,	Clara,	67	.	.	.	.
68	Overigahol,	"	5	5	.	.	220
69	Kilbaha,	"	7	7	.	.	.
70	Lacemane,	"	9	9	.	.	228
71	Ballyrobert,	Cork,	71	.	.	.	235
72	Barrin,	"	4	4	.	.	.
73	Baltinacor,	"	11	11	143	189	239
74	Bantry,	"	74	.	.	.	.
75	Cape Clear,	"	13	13	.	.	.
76	Castle-town,	"	19	12	.	.	272
77	Glendora,	"	17	17	.	.	.
78	Skull,	"	78	.	.	.	.
79	Annalong,	Down,	79	.	.	.	232
80	Ballyvaite,	"	80	.	.	.	.
81	Kilkeel,	"	81	.	.	.	233
82	Nowcastle,	"	21	21	.	.	.
83	Ballynua,	Down,	83	.	.	.	.
84	Banishan,	"	84	.	.	193	.
85	Buckless,	"	85	.	.	.	.
86	Greencastle,	"	33	33	.	.	.
87	Killybegs,	"	87	.	.	.	.
88	Mountcharles,	"	88	.	.	.	.
89	Merrillo,	"	89	.	.	.	.
90	Portnabulky,	"	90	.	.	.	.
91	Teeth,	"	91	.	158	198	.
92	Rush,	Dublin,	92	.	.	.	.
93	Arran Island,	Galway,	29	29	.	.	.
94	Baltinacill,	"	94	.	.	.	.
95	Bonowen,	"	95	.	.	.	252
96	Barna,	"	30	30	.	.	.
97	Barnadarg,	"	97	.	.	.	.
98	Claidagh,	"	32	32	.	.	.
99	Chilfen,	"	33	33	.	.	.
100	Eriskany,	"	100	.	.	.	.
101	Kilkeera,	"	101	.	.	.	.
102	Lacemon,	"	102	.	166	203	.
103	Roosroo,	"	103	.	.	.	.
104	Roundstone,	"	39	39	168	206	.
105	Tarros,	"	105	.	.	.	.
106	Blackwater,	Kerry,	106	.	.	.	.
107	Braddon,	"	41	41	.	.	251
108	Caheriveen,	"	43	43	.	.	.
109	Dingle,	"	45	45	.	.	257
110	Guinane,	"	110	.	.	.	.
111	Kilnaskeilly,	"	111	.	.	.	.
112	Koumure,	"	46	46	.	.	.
113	Tuheri,	"	113	.	.	.	.
114	Ventry,	"	114	.	.	.	.
115	Valentia,	"	48	48	.	.	.
116	Clogher Head,	Leath,	49	49	173	.	254
117	Cullingford,	"	117	.	.	.	227
118	Dunany,	"	118	.	.	.	.
119	Edincollet Canal,	Mayo,	119	.	.	.	249
120	Branshavan,	"	120	.	.	.	.
121	Edincollet,	"	51	51	.	.	250
122	Clare Island,	"	53	53	.	.	.
123	Newport,	"	123	.	.	.	.
124	Rough (See No. 60, List 1),	"	124	.	.	.	.
125	Saloon,	"	57	57	.	.	.
126	Tarmon,	"	58	58	.	.	.
127	Ballynagaul,	Waterford,	127	.	.	.	217
128	Ballynacourt,	"	62	62	.	.	.
129	Lady Elizabeth's Cove,	"	129	.	.	.	.
130	Passage East,	"	130	.	.	.	266
131	Countdown,	Wexford,	64	64	.	.	.
132	Cahore,	"	132	.	.	.	.
133	Dunacannon,	"	133	.	.	.	.
134	Fethard,	"	134	.	.	.	.
135	Kilnash,	"	135	.	.	.	263
136	Shade,	"	136	.	.	.	.
137	Georgetown,	Wicklow,	137	.	.	.	259

SCHEDULE No. 3.—FORTY-EIGHT PRISMS executed under the Acts 9 Vic, cap. 3; 10 & 11 Vic, cap. 75, 16 & 17 Vic, cap. 136, 19 & 20 Vic, cap. 57; and 29 & 30 Vic, cap. 45.

No	Name of Pier	County	No on Map	Number in Schedule			
				1	2	3	4
138	Bournecliffe, . . . .	Gloucester, . . . .	138	.	.	.	.
139	Gleninagh, . . . .	" . . . .	139	.	.	186	.
140	Gowleen Creek, . . . .	" . . . .	140	.	.	.	.
141	Gowleen Tullig, . . . .	" . . . .	141	.	.	187	.
142	Gowleen Ross, . . . .	" . . . .	142	.	.	188	.
143	Bellinore, . . . .	Cork, . . . .	143	11	75	189	230
144	Courtenasherry, . . . .	" . . . .	144	14	.	.	.
145	Dunmore, . . . .	" . . . .	145	.	.	190	.
146	Gerrahies Reef, . . . .	" . . . .	146	.	.	191	.
147	Kennas Harbour, . . . .	" . . . .	147	.	.	.	.
148	Millave, . . . .	" . . . .	148	.	.	192	.
149	Ranagh, . . . .	Donegal, . . . .	149	.	.	196	.
150	Bannana, . . . .	" . . . .	150	.	.	.	.
151	Barton Port, . . . .	" . . . .	151	.	.	.	.
152	Ballymaggart, . . . .	" . . . .	152	.	.	.	.
153	Malin Beg, . . . .	" . . . .	153	.	.	196	.
154	Potsalea, . . . .	" . . . .	154	.	.	.	242
155	Poolharra, . . . .	" . . . .	155	.	.	.	.
156	Rothamilton, . . . .	" . . . .	26	26	.	.	.
157	Tawney, . . . .	" . . . .	157	.	.	197	.
158	Tedra, . . . .	" . . . .	91	.	91	198	.
159	Arduace, . . . .	Galway, . . . .	159	.	.	200	.
160	Brish, . . . .	" . . . .	160	.	.	199	.
161	Doolen, . . . .	" . . . .	161	.	.	200	.
162	Glenagevagh, . . . .	" . . . .	162	.	.	201	.
163	Inshobin, . . . .	" . . . .	163	.	.	.	260
164	Inshack, . . . .	" . . . .	164	.	.	.	.
165	Inshackon, . . . .	" . . . .	165	.	.	202	.
166	Leenane, . . . .	" . . . .	102	102	.	203	.
167	Oranmore, . . . .	" . . . .	167	.	.	204	.
168	Rondanets, . . . .	" . . . .	39	39	104	206	.
169	Ennyvale, . . . .	" . . . .	169	.	.	.	.
170	Saddle, . . . .	" . . . .	40	40	.	.	.
171	Gleak, . . . .	Kerry, . . . .	171	.	.	207	.
172	Gleak Quay, . . . .	Louth, . . . .	172	.	.	.	.
173	Port Oriel (Clogher Head), . . . .	" . . . .	49	49	118	.	254
174	Glenlara, . . . .	Mayo, . . . .	174	.	.	208	.
175	Lackan, . . . .	" . . . .	175	.	.	209	264
176	Lecknary, . . . .	" . . . .	176	.	.	210	241
177	Mollanary, . . . .	" . . . .	177	.	.	211	.
178	Roosagh, . . . .	" . . . .	178	.	.	212	.
179	Tonstanton, . . . .	" . . . .	179	.	.	213	.
180	Glin, . . . .	Limerick, . . . .	180	.	.	.	218
181	Inshereone, . . . .	Sigs, . . . .	181	.	.	214	216
182	Ballyvea, . . . .	Galway, . . . .	182	.	.	.	.
183	Casson, . . . .	Wexford, . . . .	183	.	.	.	.
184	Currowmore, . . . .	Galway, . . . .	184	.	.	.	.
185	Pontmago, . . . .	Kerry, . . . .	185	.	.	.	.

SCHEDULE No. 4.—THIRTY PRISMS executed under the Act 43 Vic, cap. 4.

No	Name of Pier	County	No on Map	Number in Schedule			
				1	2	3	4
186	Gleninagh, . . . .	Gloucester, . . . .	139	.	.	139	.
187	Gowleen Tullig, . . . .	" . . . .	141	.	.	141	.
188	Gowleen Ross, . . . .	" . . . .	142	.	.	142	.
189	Bellinore, . . . .	Cork, . . . .	143	11	73	143	230
190	Dunmore, . . . .	" . . . .	145	.	.	145	.
191	Gerrahies Reef, . . . .	" . . . .	146	.	.	146	.
192	Mill Cove, . . . .	" . . . .	148	.	.	148	.
193	Roostrian, . . . .	Donegal, . . . .	84	.	84	.	.
194	Dunmore Bay, . . . .	" . . . .	194	.	.	.	.
195	Malin Beg, . . . .	" . . . .	153	.	.	153	.



## SCHEDULE No 4—continued.

No.	Name of Pier	County	No on Map	Number in Schedule			
				1	2	3	4
196	Roanagh,	Donegal,	149	.	.	149	.
197	Towney,	"	157	.	.	157	.
198	Teelin,	"	91	.	91	158	.
199	Brish,	Galway,	180	.	.	160	.
200	Doolan,	"	161	.	.	161	.
201	Glenagevagh,	"	162	.	.	162	.
202	Inishlakin,	"	165	.	.	165	.
203	Leemore,	"	109	.	109	166	.
204	Ouanassa,	"	167	.	.	167	.
205	Polladhu (Ardmore),	"	159	.	.	159	.
206	Reandona,	"	39	39	104	168	.
207	Glenish,	Kerry,	171	.	.	171	.
208	Glenlara,	Mayo,	174	.	.	174	.
209	Lacken,	"	175	.	.	175	264
210	Lecknavey,	"	176	.	.	176	241
211	Mollisanny,	"	177	.	.	177	.
212	Reenagh,	"	178	.	.	178	.
213	Tenestonally,	"	179	.	.	179	.
214	Inshoane,	Sligo,	181	.	.	181	216
215	Pooladhuva,	"	215	.	.	.	.

## SCHEDULE No. 5—FIFTY-SEVEN PIERS executed under the Act, "Fishery Piers (Ireland)," 46 &amp; 47 Vic., cap. 26.

No.	Name of Pier	County	No on Map	Number in Schedule			
				1	2	3	4
216	Insheroon,	Sligo,	181	.	.	181	214
217	Ballynagall,	Waterford,	127	.	127	.	.
218	Glin,	Limerick,	180	.	.	180	.
219	Chick Point,	Waterford,	219	.	.	.	.
220	Carrigaholt,	Clare,	5	5	68	.	.
221	Boatstrand,	Waterford,	221	.	.	.	.
222	Perischar,	Donegal,	222	.	.	.	.
223	Cluggan,	Galway,	35	35	.	.	.
224	Sanfild,	Clare,	10	10	.	.	.
225	Carrivekeeran,	Mayo,	225	.	.	.	.
226	Keshadeen,	Cork,	226	.	.	.	.
227	Coffingford,	Louth,	117	.	117	.	.
228	Roosbar,	Cork,	228	.	.	.	.
229	Caldaff,	Donegal,	229	.	.	.	.
230	Besky,	Sligo,	230	.	.	.	.
231	Molin Head,	Donegal,	231	.	.	.	.
232	Annalong,	Down,	79	.	79	.	.
233	Kilkeel,	Down,	81	.	81	.	.
234	Anghris,	Sligo,	234	.	.	.	.
235	Ballycotton,	Cork,	71	.	71	.	.
236	Malmesore,	Donegal,	236	.	.	.	.
237	Bunderan,	Donegal,	237	.	.	.	.
238	Liscannon,	Clare,	9	9	70	.	.
239	Baltimore,	Cork,	11	11	73	143	180
240	Travindalen,	Galway,	240	.	.	.	.
241	Lecknavey,	Mayo,	176	.	.	176	216
242	Pattison,	Donegal,	154	.	.	154	.
243	Annesal,	Kerry,	243	.	.	.	.
244	Ashill,	Mayo,	244	.	.	.	.
245	Ard West,	Galway,	245	.	.	.	.
246	Ballydavid,	Kerry,	246	.	.	.	.
247	Ballywillan,	Anteen,	247	.	.	.	.
248	Braslingua,	Galway,	31	31	.	.	.
249	Belmont, East,	Mayo,	119	.	119	.	.
250	Belmont, West,	Mayo,	51	51	121	.	.
251	Braden,	Kerry,	41	41	107	.	.
252	Brasowen,	Galway,	95	.	95	.	.
253	Cashla,	Galway,	34	34	.	.	.
254	Clogher Head,	Louth,	49	49	116	173	.

## SCHEDULE No. 5—continued.

No.	Name of Pier.	County.	No. on Map.	Number in Schedule			
				1	2	3	4
255	Collaheigue,	Galway,	255	.	.	.	.
256	Crumpson,	Galway,	256	.	.	.	.
257	Dinga,	Kerry,	45	45	109	.	.
258	Ganougha,	Galway,	258	.	.	.	.
259	Greystones,	Wicklow,	137	.	137	.	.
260	Inshelfin,	Galway,	163	.	.	163	.
261	Kilroe,	Clare,	261	.	.	.	.
262	Kilferdall,	Mayo,	262	.	.	.	.
263	Kilmote,	Wexford,	186	.	135	.	.
264	Lacken,	Mayo,	175	.	.	175	209
265	Moon Island,	Galway,	265	.	.	.	.
266	Passage, East,	Waterford,	130	.	130	.	.
267	Polishanuck,	Mayo,	267	.	.	.	.
268	Portstewart,	Londonderry,	268	.	.	.	.
269	Rosavool,	Galway,	269	.	.	.	.
270	Union Hall,	Cork,	270	.	.	.	.
271	Ballyhallent,	Down,	271	.	.	.	.
272	Castletown Bere,	Cork,	12	12	76	.	.

NOTE.—Total number of works undertaken, 272

SHANNON ACT, 1885, 48 &amp; 49 Vic., cap. 41.—SEVEN PIERS, &amp;c., on the LOWER SHANNON.

No.	Name of Pier.	No. on Map.	No. in Schedule
			1
273	Querin,	273	.
274	Kilrush,	.	8
275	Saloon,	275	.
276	Kilticory,	276	.
277	Foyross,	277	.
278	Killyneesh,	278	.
279	Clare Castle,	279	.